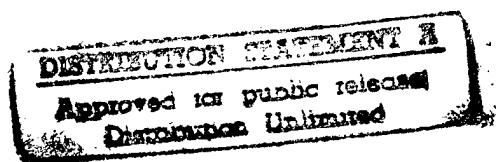


Water Savings Opportunity Survey (WSOS) Fort Belvoir, Virginia

Field Notes
Volume 1 of 1



CONTRACT #DACA01-84-D-0034
DELIVERY ORDER 0009
SYSTEMS CORP PROJECT #94013.09

August 31, 1995

SYSTEMS*corp*

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION



Baltimore District
U.S. Army Corps
of Engineers

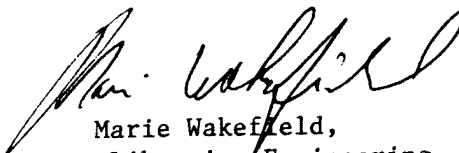


DEPARTMENT OF THE ARMY
CONSTRUCTION ENGINEERING RESEARCH LABORATORIES, CORPS OF ENGINEERS
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Marie Wakefield,
Librarian Engineering

Field Survey Notes

Family Housing	1
Non-Family Housing	25

Family Housing

Family Housing
TABLE OF CONTENTS

Summary Table	2
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FIELD SURVEY SHEETS

Building No.

1	10
150	11
417 B	12
455 B	13
468 A	14
522 A	15
810 C	16
902 C	17
924 B	18
1533 A	19
1641 B	20
1702 F	21
1703 D	22
1723 A1	23
2785 A	24

DTIC QUALITY INSPECTED 2

19971023 094

FAMILY HOUSING LIST

[illegible]

BELVOIR VILLAGE HOUSING AREA

1	71111	FH GEN	7262	6	35
2	12	13	14	15	16
3	23	24	25	26	27
4	33	34	35	36	37
5	43	44	45	46	47
6	53	54	55	56	57
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BELVOIR VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 61

GERBER VILLAGE HOUSING AREA

[illegible]

GERBER VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 76

JADWIN AND ROSSEL VILLAGE HOUSING AREAS

417 B	71113	FH LC & MAJ	2089	4	55				
SURVEYED, 5427 ROSSEL LOOP									
406 A	406 B	407 A	407 B	408 A	408 B	409 A	409 B	410 A	410 B
411 A	411 B	412 A	412 B	413 A	413 B	414 A	414 B	415 A	415 B
416 A	416 B	417 A	418 A	418 B	419 A	419 B	420 A	420 B	421 A
421 B	422 A	422 B	423 A	423 B	424 A	424 B	425 A	425 B	426 A
426 B	427 A	427 B	428 A	428 B	429 A	429 B	430 A	430 B	431 A
431 B	432 A	432 B							

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED						UNITS TYPIFIED BY SURVEYED UNIT									
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST										
455 B	71113	FH LC & MAJ	2541	3	55	451 A	451 B	451 C	451 D	451 E	452 A	452 B	452 C	452 D	452 E
		SURVEYED - 5457 JADWIN LOOP				453 A	453 B	453 C	453 D	453 E	454 A	454 B	454 C	454 D	454 E
						455 A	455 C	455 D	455 E						
468 A	71113	FH LC & MAJ	1809	3	21	401 A	401 B	402 A	402 B	403 A	403 B	404 A	404 B	405 A	405 B
		SURVEYED - T-468 JADWIN LOOP				436 A	437 A	438 A	439 A	440 A	441 A	442 A	457 A	458 A	459 A
						460 A	461 A	462 A	463 A	464 A	465 A	466 A	467 A	469 A	479 A
						480 A	481 A	483 A	484 A	487 A	488 A	489 A	490 A	491 A	492 A
						493 A	494 A	496 A							

JADWIN AND ROSSEL VILLAGE HOUSING AREAS TOTAL NUMBER OF UNITS: 123

FAIRFAX VILLAGE HOUSING AREA

522 A	71124	FH CAPE CG & WO	1467	3	60	510 A	510 B	511 A	511 B	512 A	512 B	513 A	513 B	514 A	514 B
		SURVEYED - 10401 FORNEY LOOP				515 A	515 B	516 A	516 B	517 A	517 B	518 A	518 B	519 A	519 B
						520 A	520 B	521 A	521 B	522 B	523 A	523 B	524 A	524 B	525 A
						525 B	526 A	526 B	527 A	527 B	528 A	528 B	529 A	529 B	530 A
						530 B	531 A	531 B	532 A	532 B	533 A	533 B	534 A	534 B	535 A
						535 B	536 A	536 B	537 A	537 B	538 A	538 B	539 A	539 B	540 A
						540 B	541 A	541 B	542 A	542 B	543 A	543 B	544 A	544 B	545 A
						545 B	546 A	546 B	547 A	547 B	548 A	548 B	549 A	549 B	550 A
						550 B	551 A	551 B	552 A	552 B	553 A	553 B	554 A	554 B	555 A
						555 B	556 A	556 B	557 A	557 B	558 A	558 B	559 A	559 B	560 A
						560 B	561 A	561 B	562 A	562 B	563 A	563 B	564 A	564 B	565 A
						565 B	566 A	566 B	567 A	567 B	568 A	568 B	569 A	569 B	570 A
						570 B	571 A	571 B	572 A	572 B	573 A	573 B	574 A	574 B	575 A
						575 B	576 A	576 B	577 A	577 B	578 A	578 B	579 A	579 B	580 A
						580 B	581 A	581 B	582 A	582 B	583 A	583 B			

FAIRFAX VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 148

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED					UNITS TYPIFIED BY SURVEYED UNIT	
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	

COLYER VILLAGE HOUSING AREA

810 C	71115	FH NCO & ENL	1530	2	50	809 A 809 B 809 C 809 D 810 A 810 B 810 D 810 E 810 F 810 G
SURVEYED - 5895 PETERSON LOOP						810 H 810 I 810 J 811 A 811 B 811 C 811 D 811 E 811 F 811 G
						811 H 811 I 811 J 813 A 813 B 813 C 813 D 813 E 813 F 816 A
						816 B 817 A 817 B 818 A 818 B 819 A 819 B 820 A 820 B 821 A
						821 B 822 A 822 B 823 A 823 B 824 A 824 B 825 A 825 B 826 A
						826 B 827 A 827 B 828 A 828 B 829 A 829 B 830 A 830 B 831 A
						831 B 832 A 832 B 833 A 833 B 834 A 834 B 835 A 835 B 836 A
						836 B 837 A 837 B 838 A 838 B 839 A 839 B 840 A 840 B 841 A
						841 B 842 A 842 B 843 A 843 B 844 A 844 B 845 A 845 B 846 A
						846 B

COLYER VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 92

DOGUE CREEK VILLAGE HOUSING AREA

902 C	71115	FH NCO & ENL	1137	2	56	900 A 900 B 900 C 900 D 900 E 901 A 901 B 901 C 901 D 901 E
SURVEYED - 9616 BARLOW RD						901 F 902 A 902 B 902 D 902 E 903 A 903 B 903 C 903 D 903 E

924 B	71115	FH NCO & ENL	1137	2	56	904 A 904 B 904 C 904 D 904 E 905 A 905 B 905 C 905 D 905 E
SURVEYED - 9623 MALONEY RD						906 A 906 B 906 C 906 D 906 E 907 A 907 B 907 C 907 D 907 E
						907 F 907 G 907 H 907 I 908 A 908 B 908 C 908 D 908 E 908 F
						909 A 909 B 909 C 909 D 909 E 910 A 910 B 910 C 910 D 910 E
						911 A 911 B 911 C 911 D 911 E 912 A 912 B 912 C 912 D 912 E
						913 A 913 B 913 C 913 D 913 E 914 A 914 B 914 C 914 D 914 E
						914 F 914 G 914 H 914 I 915 A 915 B 915 C 915 D 915 E 916 A
						916 B 916 C 916 D 916 E 916 F 917 A 917 B 917 C 917 D 917 E
						918 A 918 B 918 C 918 D 918 E 919 A 919 B 919 C 919 D 919 E
						919 F 919 G 919 H 919 I 920 A 920 B 920 C 920 D 920 E 920 F
						921 A 921 B 921 C 921 D 921 E 922 A 922 B 922 C 922 D 922 E
						922 F 922 G 922 H 923 A 923 B 923 C 923 D 923 E 924 A 924 C
						924 D 924 E 925 A 925 B 925 C 925 D 925 E 926 A 926 C 926 C
						926 D 926 E 926 F 927 A 927 B 927 C 927 D 927 E 928 A 928 B
						928 C 928 D 928 E 928 F 928 G 928 H 929 A 929 B 929 C 929 D
						929 E 930 A 930 B 930 C 930 D 930 E 931 A 931 B 931 C 931 D

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED					UNITS TYPIFIED BY SURVEYED UNIT									
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST									
931 E	932 A	932 B	932 C	932 D	932 E	933 A	933 B	933 C	933 D	933 E	933 F	933 G	933 H	933 I
933 E	933 F	933 G	933 H	933 I	934 A	934 B	934 C	934 D	934 E	934 F	934 G	934 H	934 I	935 A
934 F	934 G	934 H	934 I	935 A	935 B	935 C	935 D	935 E	935 F	935 G	935 H	935 I	936 A	936 B
936 A	936 B	936 C	936 D	936 E	936 F	936 G	936 H	936 I	937 A	937 B	937 C	937 D	937 E	937 F
937 B	937 C	937 D	937 E	938 A	938 B	938 C	938 D	938 E	938 F	938 G	938 H	938 I	939 A	939 B
938 G	938 H	938 I	939 A	939 B	939 C	939 D	939 E	939 F	939 G	939 H	939 I	940 A	940 B	940 C
940 B	940 C	940 D	940 E	940 F	940 G	940 H	940 I	941 A	941 B	941 C	941 D	941 E	942 A	942 B
941 C	941 D	941 E	942 A	942 B	942 C	942 D	942 E	943 A	943 B	943 C	943 D	943 E	944 A	944 B
943 C	943 D	943 E	944 A	944 B	944 C	944 D	944 E							

DOGUE CREEK VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 270

GEORGE WASHINGTON VILLAGE HOUSING AREA

1533 A	71125	FH CAPE NCO ENL	1296	3	60	1501 A	1501 B	1502 A	1502 B	1503 A	1503 B	1504 A	1504 B	1505 A	1505 B
1506 A	1506 B	1507 A	1507 B	1508 A	1508 B	1509 A	1509 B	1510 A	1510 B	1511 A	1511 B	1512 A	1512 B	1513 A	1513 B
1514 A	1514 B	1515 A	1515 B	1516 A	1516 B	1517 A	1517 B	1518 A	1518 B	1519 A	1519 B	1520 A	1520 B	1521 A	1521 B
1522 A	1522 B	1523 A	1523 B	1524 A	1524 B	1525 A	1525 B	1526 A	1526 B	1527 A	1527 B	1528 A	1528 B	1529 A	1529 B
1530 A	1530 B	1531 A	1531 B	1532 A	1532 B	1533 A	1533 B	1534 A	1534 B	1535 A	1535 B	1536 A	1536 B	1537 A	1537 B
1538 A	1538 B	1539 A	1539 B	1540 A	1540 B	1541 A	1541 B	1542 A	1542 B	1543 A	1543 B	1544 A	1544 B	1545 A	1545 B
1546 A	1546 B	1547 A	1547 B	1548 A	1548 B	1549 A	1549 B	1550 A	1550 B	1551 A	1551 B	1552 A	1552 B	1553 A	1553 B
1554 A	1554 B	1555 A	1555 B	1556 A	1556 B	1557 A	1557 B	1558 A	1558 B	1559 A	1559 B	1560 A	1560 B	1561 A	1561 B
1562 A	1562 B	1563 A	1563 B	1564 A	1564 B	1565 A	1565 B	1566 A	1566 B	1567 A	1567 B	1568 A	1568 B	1569 A	1569 B
1570 A	1570 B	1571 A	1571 B	1572 A	1572 B										

GEORGE WASHINGTON VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 144

RIVER VILLAGE HOUSING AREA

1641 B	71125	FH CAPE NCO ENL	1467	3	60	1601 A	1601 B	1602 A	1602 B	1603 A	1603 B	1604 A	1604 B	1605 A	1605 B
1606 A	1606 B	1607 A	1607 B	1608 A	1608 B	1609 A	1609 B	1610 A	1610 B	1611 A	1611 B	1612 A	1612 B	1613 A	1613 B
1614 A	1614 B	1615 A	1615 B	1616 A	1616 B	1617 A	1617 B	1618 A	1618 B	1619 A	1619 B	1620 A	1620 B	1621 A	1621 B

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED					UNITS TYPIFIED BY SURVEYED UNIT																																																																																																																																																			
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	1621 A	1621 B	1622 A	1622 B	1623 A	1623 B	1624 A	1624 B	1625 A	1625 B	1626 A	1626 B	1627 A	1627 B	1628 A	1628 B	1629 A	1629 B	1630 A	1630 B	1631 A	1631 B	1632 A	1632 B	1633 A	1633 B	1634 A	1634 B	1635 A	1635 B	1636 A	1636 B	1637 A	1637 B	1638 A	1638 B	1639 A	1639 B	1640 A	1640 B	1641 A	1642 A	1642 B	1643 A	1643 B	1644 A	1644 B	1645 A	1645 B	1646 A	1646 B	1647 A	1647 B	1648 A	1648 B	1649 A	1649 B	1650 A	1650 B	1651 A	1651 B	1652 A	1652 B	1653 A	1653 B	1654 A	1654 B	1655 A	1655 B	1656 A	1656 B	1657 A	1657 B	1658 A	1658 B	1659 A	1659 B	1660 A	1660 B	1661 A	1661 B	1662 A	1662 B	1663 A	1663 B	1664 A	1664 B	1665 A	1665 B	1666 A	1666 B	1667 A	1667 B	1668 A	1668 B	1669 A	1669 B	1670 A	1670 B	1671 A	1671 B	1672 A	1672 B	1673 A	1673 B	1674 A	1674 B	1675 A	1675 B	1676 A	1676 B	1677 A	1677 B	1678 A	1678 B	1679 A	1679 B	1680 A	1680 B	1681 A	1681 B	1682 A	1682 B	1683 A	1683 B	1684 A	1684 B	1685 A	1685 B	1686 A	1686 B	1687 A	1687 B	1688 A	1688 B	1689 A	1689 B	1690 A	1690 B	1691 A	1691 B	1692 A	1692 B	1693 A	1693 B	1694 A	1694 B

RIVER VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 189

LEWIS HEIGHTS HOUSING AREA

1702 F	71135	FH ACWH NCO ENL	1240	3	58	1701 A	1701 F	1702 A	1703 A	1703 B	1703 D	1707 A	1707 D	1725 A	1725 F
1703 D	71135	FH ACWH NCO ENL	1240	3	58	1732 B1	1732 B2	1732 B3	1732 B4	1732 C1	1732 C2	1732 C3	1732 C4		
1723 A1	71135	FH ACWH NCO ENL	789	2	58	1701 B	1701 C	1701 D	1701 E	1702 B	1702 C	1702 D	1702 E	1703 C	1704 A1
SURVEYED - 8832-1 KNIGHT ST.						1704 A2	1704 A3	1704 A4	1704 B1	1704 B2	1704 B3	1704 B4	1704 C1	1704 C2	1704 C3
						1704 C4	1705 A1	1705 A2	1705 A3	1705 A4	1705 B1	1705 B2	1705 B3	1705 B4	1705 C1
						1705 C2	1705 C3	1705 C4	1706 A1	1706 A2	1706 A3	1706 A4	1706 B1	1706 B3	1706 B4
						1706 C1	1706 C2	1706 C3	1706 C4	1707 B	1707 C	1708 A1	1708 A2	1708 A3	1708 A4
						1708 B1	1708 B2	1708 B3	1708 B4	1708 C1	1708 C2	1708 C3	1708 C4	1709 A1	1709 A2
						1709 A3	1709 A4	1709 B1	1709 B2	1709 B3	1709 B4	1709 C1	1709 C2	1709 C3	1709 C4
						1710 A1	1710 A2	1710 A3	1710 A4	1710 B1	1710 B2	1710 B3	1710 B4	1710 C1	1710 C2
						1710 C3	1710 C4	1711 A1	1711 A2	1711 A3	1711 A4	1711 B1	1711 B2	1711 B3	1711 B4
						1711 C1	1711 C2	1711 C3	1711 C4	1712 A1	1712 A2	1712 A3	1712 A4	1712 B1	1712 B2
						1712 B3	1712 B4	1712 C1	1712 C2	1712 C3	1712 C4	1713 A1	1713 A2	1713 A3	1713 A4
						1713 B1	1713 B2	1713 B3	1713 B4	1713 C1	1713 C2	1713 C3	1713 C4	1714 A1	1714 A2

FAMILY HOUSING LIST				
FAMILY HOUSING UNIT SURVEYED				UNITS TYPIFIED BY SURVEYED UNIT
FAC NO.	CAT CODE	DESIGNATION SQ FT	NO BDRM	
1714 A3	1714 A4	1714 B1	1714 B2	1714 B3
1715 A1	1715 A2	1715 A3	1715 A4	1715 B1
1715 C3	1715 C4	1716 A1	1716 A2	1716 A3
1716 C1	1716 C2	1716 C3	1716 C4	1717 A1
1717 B3	1717 B4	1717 C1	1717 C2	1717 C3
1718 B1	1718 B2	1718 B3	1718 B4	1718 C1
1719 A3	1719 A4	1719 B1	1719 B2	1719 B3
1720 A1	1720 A2	1720 A3	1720 A4	1720 B1
1720 C3	1720 C4	1721 A1	1721 A2	1721 A3
1721 C1	1721 C2	1721 C3	1721 C4	1722 A1
1722 B3	1722 B4	1722 C1	1722 C2	1722 C3
1723 B2	1723 B3	1723 B4	1723 C1	1723 C2
1724 A4	1724 B1	1724 B2	1724 B3	1724 B4
1725 C	1725 D	1725 E	1726 A1	1726 A2
1726 B4	1726 C1	1726 C2	1726 C3	1726 C4
1727 B2	1727 B3	1727 B4	1727 C1	1727 C2
1728 A4	1728 B1	1728 B2	1728 B3	1728 B4
1729 A2	1729 A3	1729 A4	1729 B1	1729 B2
1729 C4	1730 A1	1730 A2	1730 A3	1730 A4
1730 C2	1730 C3	1730 C4	1731 A1	1731 A2
1731 B4	1731 C1	1731 C2	1731 C3	1731 C4
1733 A2	1733 A3	1733 A4	1733 B1	1733 B2
1733 C4	1734 A1	1734 A2	1734 A3	1734 A4
1734 C2	1734 C3	1734 C4	1735 A1	1735 A2
1735 B4	1735 C1	1735 C2	1735 C3	1735 C4
1736 B2	1736 B3	1736 B4	1736 C1	1736 C2
1737 A4	1737 B1	1737 B2	1737 B3	1737 B4
1738 A2	1738 A3	1738 A4	1738 B1	1738 B2
1738 C4	1739 A3	1739 A4	1739 A5	1739 A6
1739 C2	1739 C3	1739 C4	1740 A3	1740 A4
1740 B4	1740 C1	1740 C2	1740 C3	1740 C4

7

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED					UNITS TYPIFIED BY SURVEYED UNIT	
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	

WOODLAWN VILLAGE HOUSING AREA

2785 A	71115	FH NCO & ENL	1452	2	81	2600 A	2600 B	2600 C	2600 D	2601 A	2601 B	2601 C	2601 D	2602 A	2602 B
		SURVEYED - 8454 WELLHOUSE CT S.				2603 A	2603 B	2603 C	2603 D	2604 A	2604 B	2604 C	2604 D	2605 A	2605 B
						2605 C	2605 D	2606 A	2606 B	2607 A	2607 B	2607 C	2607 D	2608 A	2608 B
						2608 C	2608 D	2610 A	2610 B	2611 A	2611 B	2611 C	2611 D	2612 A	2612 B
						2613 A	2613 B	2613 C	2613 D	2614 A	2614 B	2615 A	2615 B	2616 A	2616 B
						2616 C	2616 D	2617 A	2617 B	2617 C	2617 D	2618 A	2618 B	2618 C	2618 D
						2619 A	2619 B	2619 C	2619 D	2620 A	2620 B	2620 C	2620 D	2621 A	2621 B
						2621 C	2622 A	2622 B	2622 C	2622 D	2623 A	2623 B	2623 C	2623 D	2624 A
						2624 B	2625 A	2625 B	2626 A	2626 B	2627 A	2627 B	2627 C	2627 D	2628 A
						2628 B	2629 A	2629 B	2630 A	2630 B	2630 C	2631 A	2631 B	2631 C	2631 D
						2632 A	2632 B	2633 A	2633 B	2634 A	2634 B	2635 A	2635 B	2635 C	2635 D
						2636 A	2636 B	2637 A	2637 B	2637 C	2637 D	2638 A	2638 B	2638 C	2638 D
						2639 A	2639 B	2639 C	2639 D	2640 A	2640 B	2641 A	2641 B	2641 C	2641 D
						2642 A	2642 B	2642 C	2642 D	2643 A	2643 B	2643 C	2643 D	2644 A	2644 B
						2645 A	2645 B	2646 A	2646 B	2646 C	2646 D	2647 A	2647 B	2648 A	2648 B
						2649 A	2649 B	2649 C	2649 D	2650 A	2650 B	2650 C	2651 A	2651 B	2651 C
						2651 D	2652 A	2652 B	2653 A	2653 B	2653 C	2653 D	2654 A	2654 B	2655 A
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						2661 B	2661 C	2661 D	2662 A	2662 B	2662 C	2662 D	2663 A	2663 B	2664 A
						2664 B	2664 C	2664 D	2665 A	2665 B	2666 A	2666 B	2666 C	2667 A	2667 B
						2667 C	2667 D	2668 A	2668 B	2668 C	2668 D	2669 A	2669 B	2669 C	2670 A
						2670 B	2671 A	2671 B	2671 C	2672 A	2672 B	2672 C	2672 D	2673 A	2673 B
						2673 C	2673 D	2674 A	2674 B	2675 A	2675 B	2675 C	2675 D	2676 A	2676 B
						2677 A	2677 B	2677 C	2677 D	2678 A	2678 B	2679 A	2679 B	2679 C	2679 D
						2680 A	2680 B	2680 C	2680 D	2681 A	2681 B	2682 A	2682 B	2682 C	2682 D
						2683 A	2683 B	2683 C	2683 D	2684 A	2684 B	2685 A	2685 B	2686 A	2686 B
						2686 C	2686 D	2687 A	2687 B	2687 C	2687 D	2688 A	2688 B	2688 C	2700 A
						2700 B	2700 C	2700 D	2701 A	2701 B	2701 C	2702 A	2702 B	2702 C	2702 D
						2703 A	2703 B	2704 A	2704 B	2705 A	2705 B	2706 A	2706 B	2707 A	2707 B
						2707 C	2708 A	2708 B	2708 C	2708 D	2710 A	2710 B	2710 C	2711 A	2711 B
						2711 C	2711 D	2712 A	2712 B	2713 A	2713 B	2713 C	2713 D	2714 A	2714 B
						2715 A	2715 B	2716 A	2716 B	2717 A	2717 B	2717 C	2717 D	2718 A	2718 B
						2718 C	2719 A	2719 B	2719 C	2719 D	2720 A	2720 B	2730 A	2730 B	2730 C
						2730 D	2731 A	2731 B	2731 C	2731 D	2732 A	2732 B	2733 A	2733 B	2733 C
						2733 D	2734 A	2734 B	2735 A	2735 B	2735 C	2735 D	2736 A	2736 B	2737 A

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED						UNITS TYPIFIED BY SURVEYED UNIT											
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	2737 B	2737 C	2737 D	2738 A	2738 B	2738 C	2739 A	2739 B	2739 C	2739 D		
						2740 A	2740 B	2750 A	2750 B	2750 C	2751 A	2751 B	2751 C	2751 D	2752 A		
						2752 B	2753 A	2753 B	2753 C	2753 D	2754 A	2754 B	2754 C	2755 A	2755 B		
						2756 A	2756 B	2757 A	2757 B	2758 A	2758 B	2758 C	2758 D	2759 A	2759 B		
						2759 C	2759 D	2760 A	2760 B	2760 C	2760 D	2761 A	2761 B	2761 C	2761 D		
						2770 A	2770 B	2770 C	2771 A	2771 B	2771 C	2771 D	2772 A	2772 B	2773 A		
						2773 B	2773 C	2773 D	2774 A	2774 B	2775 A	2775 B	2775 C	2775 D	2776 A		
						2776 B	2780 A	2780 B	2780 C	2781 A	2781 B	2781 C	2781 D	2782 A	2782 B		
						2783 A	2783 B	2784 A	2784 B	2785 B	2785 C	2785 D	2786 A	2786 B	2787 A		
						2787 B	2787 C	2787 D									

WOODLAWN VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 444

FORT BELVOIR - TOTAL NUMBER OF FAMILY HOUSING UNITS: 2093

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1 GEN'S QTRS

Year Const: 1935

Function FAMILY HOUSING

No of Occupants 6 BDR/4 1/2 BATH

Operating Hours: 24 HR - 365 DAYS/YR
BELVOIR DRIVE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	4	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	AM. STD	LPF 13.2	4	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPm 7.0	3	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: #150
5909 20th Street

Year Const: 1931

Function FAMILY HOUSING

No of Occupants 4 BDR/1.75 BATH

Operating Hours: 24 HRS/365 DAYS/YR
GERBER VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	AM. STD	LPM 13.23	2	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPM 7.6	2	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 417 B (DUPLEX) Year Const: 1955
 5427 ROSSELL LOOP Function FAMILY HOUSING
 No of Occupants 4 BDR / 2 BATH Operating Hours: 24 HRS / 365 DAYS / YR
 ROSSELL LOOP VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	NO AERATOR	13.23	1	
2				
Utility Sinks				
3		LPM		
Water Closets	AM STD	13.2	2	
4				
Urinals				
5		LPM		
Shower Heads	FLOW CONTROL	7.6	2	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 455 B
5457 JARWIN LOOP

Year Const: 1955

Function: FAMILY HOUSING

No of Occupants: 3 BDR / 2 BATH

Operating Hours: 24 HRS / 365 DAYS / YR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
LAUND TUB (BASEMENT)	NO AERATOR	45.4	1	
3				
Water Closets	AM STD	13.2	2	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	7.6	2	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: T-468
468A JADWIN LOOP

Year Const: 1921
Function FAMILY HOUSING

No of Occupants 3DDR/1.5 BATH JADWIN VILLAGE
Operating Hours: 24 HRS/365 DAYS/YR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
	NO AERATOR	15.2	1	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	AM STD	LPF 13.23	2	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPF 9.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

FULL BATH UNDER RENOVATION

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-21-95

FACILITY NO.: 522A (DUPLICATE)
10401 FORNEY LOOP

Year Const: 1960

Function FAMILY HOUSING

No of Occupants 3 BDR / 1 1/2 BATH

Operating Hours: 24 HRS / 365 DAYS / YR
FAIRFAX VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	RHEEM - RICHMOND	19	1	
	RHEEM - RICHMOND	13.2	1	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPM 7.6	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 810 C (DUPLEX) Year Const: 1950
 5895 PETERSON LOOP Function FAMILY HOUSING
 No of Occupants 2 BDR / 1 BATH Operating Hours: 24 HRS / 365 DAYS / YR
 COLVER VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	AM. STD (#4078) TANK	LPF 13.2	1	
4				
Urinals				
5				
Shower Heads	Flow CONTROL	LPF 13.2	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 902 C (QUADRAPLEX) Year Const: 1956
 9616 BARLOW RD Function FAMILY HOUSING
 No of Occupants 3BDR/1BATH Operating Hours: 24 HRS/365 DAYS/YR
 DOGUE CREEK

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3		LPM		
Water Closets	AM STD	6	1	
4				
Urinals				
5		LPM		
Shower Heads	WATER SAVER	9.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 924-B (TWNHSE) Year Const: 1956
 9623 MALONEY RD Function: FAMILY HOUSING
 No of Occupants: 2 BDR / 1 BATH Operating Hours: 24 HRS / 365 DAYS / YR
 DOGUE CREEK

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	AM STD	LPR 13.2	1	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	9.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1533 A
9170 MILLER RD

Year Const: 1960
Function: FAMILY HOUSING

No of Occupants: 3 BDR / 1.5 BATH

Operating Hours: 24 HRS / 365 DAYS / YR
G.W. VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3		LPM		
Water Closets	RHEEM - RICHMOND F.T.	13.2	1	
	AM STD (4078) TANK	13.2	1	
4				
Urinals				
5		LPM		
Shower Heads	FLOW CONTROL	13.2	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1641 B
5424 YORK RD
Year Const: 1960
Function: FAMILY HOUSING
No of Occupants: 3 BDR/1.5 BATH
Operating Hours: 24 HRS/365 DAYS/YR
RIVER VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
	NO AERATOR	22.7	1	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	RHEEM - RICHMOND F.T.	LPM		
	AM STD (4078) TANK	13.2	1	
		13.2	1	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPM		
		13.2	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1702F (6-PLEX)

Year Const: 1958

Function FAMILY HOUSING

No of Occupants 2 BDR / 1.5 BATH

Operating Hours: 24 HRS / 365 DAYS / YR

LEWIS HEIGHTS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3		LPM		
Water Closets	U. P. C.	13.2	2	
4				
Urinals				
5		LPM		
Shower Heads	FLOW CONTROL	7.6	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1703 D (QUADRAPLEX) Year Const: 1958
 Function: FAMILY HOUSING
 No of Occupants: 2 BDR / 1.5 BATH Operating Hours: 24 HRS / 365 DAYS / YR
 LEWIS HEIGHTS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	U. P. C.	4 PF 13.2	2	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPM 7.6	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 1723 A 1 TRI PLEX W/12 UNITS Year Const: 1958
 8832-1 KNIGHT ST Function FAMILY HOUSING
 No of Occupants 2 BDR/1 BATH Operating Hours: 24 HRS/365 DAYS/YR
 LEWIS HEIGHTS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	U.P.C.	LPF 13.2	1	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPM 6.6	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 2785 A (DUPLEX)

Year Const: 1981

8454 WELL HOUSE

Function FAMILY HOUSING

No of Occupants 4 BDR / 2.5 BATH

Operating Hours: 24 HRS / 365 DAYS / YR

WOODLAWN VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	3	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	AM. STD	LPM 13.2	3	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	LPM 7.6	2	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

Non-Family Housing

Non-Family Housing
TABLE OF CONTENTS

Summary Table	29
FIELD SURVEY SHEETS	
Building No.	
20	33
65	37
81	38
182	39
187	40
189	41
190	42
191	43
200	44
201	45
202	48
204	51
211	54
214	57
215	58
216	59
219	60
220	64
221	65
222	66
226	67
235	68
238	69
246	70
247	71
256	72
257	73
258	74
259	75
268	76
270	77
303	78
305	79
307	80
309	81
316	82
317	83
318	84

319	85
320	86
322	87
323	88
324	89
325	90
326	91
328	92
329	93
330	94
331	95
333	96
334	94
337	98
353	99
357	100
361	101
362	102
363	103
365	104
367	105
371	106
374	107
380	108
392	109
399	110
435	113
470	114
505	115
506	116
507	117
610	118
612	119
630	120
708	121
711	122
714	123
801	124
802	125
806	126
807	127
808	128
815	131
1000	133
1001	134
1003	135

1018	136
1024	137
1028	138
1084	139
1099	140
1108	141
1116	142
1132	143
1147	144
1148	145
1150	146
1154	147
1161	148
1163	149
1166	150
1182	151
1194	152
1195	153
1199	154
1200	155
1414	157
1415	158
1416	160
1417	161
1419	162
1420	162
1425	163
1434	165
1436	166
1439	168
1442	169
1444	171
1445	172
1462	174
1464	175
1465	177
1466	178
1467	179
1468	180
1469	181
1471	182
1472	183
1496	184
1801	185
1804	186
1809	187

1822	188
1824	189
1906	190
1949	191
1950	192
1955	193
1982	193
2102	194
2105	195
2115	196
2116	197
2118	198
2119	199
2302	200
2310	202
2393	203
2462	204
2470	207
2901	209
2920	209
2990	210
3121	211
3123	212
3126	213
3128	214
3136	215
3137	216
3138	217
3141	218
3145	219
3146	220
3151	221
3165	222
3230	223
3231	224
3232	225
3234	226
3235	227
3237	228

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTC	SEC UNT	YR CNST	COMMENTS
20	74048	Off Opn Din/trns Qtrs	69086	40 Pn	34	
65	75030	Outdr Swim Pool		1 Ea	59	
81	72411	Off Qtr Trans	16800	46 Pn	48	
182	74072	Indr Swim Pool	11236	170000 Ga	75	
187	61050	Admin Gen Purp	6880		40	
189	21430	Veh Mnt Sh Gs	9770		40	
190	21430	Veh Mnt Sh Gs	8560		39	
191	73010	Fire Stn/admin	10475		34	
200	74068	Recreation Ctrs	26256		74	
201	61050	Admin Gen Purp	32290		28	
202	17120	Gen Inst Bldg	45174		28	
204	17120	Gen Inst Bldg	25696		28	
211	72111	Enl Bk W/o Din	30328	100 Pn	40	
214	17120	Gen Inst Bldg	39952		41	
215	44270	Gen Storehouse	30000		41	
216	61040	Civ Pers Bldg	24456		32	
219	61027	Fin Admin Bldg	23335		31	
219	74076	Thtr W/ Dress Rm	7935	400 Seat	31	
220	17120	Gen Inst Bldg	78842		52	
221	61050	Admin Gen Purp	4893		52	
222	17160	Tng Aids Center	4893		52	
226	17120	Gen Inst Bldg	48980		57	
235	14183	Bn Hq Bldg	2613		65	
238	74084	Class Vi Store	13740		58	
246	13180	Tele Exch Bldg	11767		51	
247	17120	Gen Inst Bldg	148067		52	
256	73073	Po Main	8823		35	
257	61050	Admin Gen Purp	16756		35	
258	61027	Fin Admin Bldg	6427		35	
259	75032	Outdr Swim Bldg	2156	1 Ea	80	
268	61012	Div Hq Bldg	12960		35	
270	61065	Tech Library	15229		35	
303	61060	Admin Bldg R&d	2112		59	
305	31740	Elctron Eqp Fac	97910		78	
307	31920	Lab Gen Purp	19102		70	
309	31920	Lab Gen Purp	38400		70	
316	61060	Admin Bldg R&d	23970		42	
317	31740	Elctron Eqp Fac	16365		42	
318	31920	Lab Gen Purp	15597		43	
319	74076	Thtr W/dress Rm	8235		42	
320	17120	Gen Inst Bldg	17965		42	
322	31920	Lab Gen Purp	11318		44	
323	31920	Lab Gen Purp	11869		42	
324	31920	Lab Gen Purp	22715		42	

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
325	31920	Lab Gen Purp	11975	1 Ve	42	
326	31740	Elctron Eqp Fac	12242		42	
328	21410	Veh Mnt Sh Org	11487		42	
329	21712	Elc/com Cal Fac	11487		42	
330	21910	Fe Facility	11487		42	
331	32110	Prec Mach Shop	68940		42	
333	31310	Sp Mar Eqp Bldg	11487		42	
334	31920	Lab Gen Purp	14571		42	
337	61050	Admin Gen Purp	8287		42	
353	31920	Lab Gen Purp	9000		59	
357	31920	Lab Gen Purp	49958		65	
361	61031	Adp Building	12925		52	
362	31090	Other	17364		52	
363	31020	Metallurgy Lab	30975			
365	61031	Adp Building	4840		53	
367	31920	Lab Gen Purp	49104		57	
371	17120	Gen Inst Bldg	13294		57	
374	61050	Admin Gen Purp	2064		60	
380	61021	Engr Admin Bldg	5856		65	
392	31720	Detect Eqp Fac	33000		79	
399	31920	Lab Gen Purp	38566		72	
435	73017	Post Chapel	3583	35 Seat	41	
470	72411	Off Qtrs Trans	108918	225 Pn	75	
505	72111	Enl Bk W/o Din	22065	60 Pn	56	
506	72111	Enl Bk W/o Din	22065	60 Pn	56	
507	72411	Off Qtrs Trans	19008	42 Pn	69	
610	53040	Vet Clinic	5728			
612	22840	Print Pl	10500		40	
630	44220	Gen Purp Whse/admin	13680		44	
708	44220	Gen Purp Whse	9660		46	
711	44220	Gen Purp Whse	14280		46	
714	61050	Admin Gen Purp	12541		60	
801	72111	Enl Bk W/o Din	22220	129 Pn	77	
802	61050	Admin Gen Purp	3000		77	
806	72120	Enl Barracks Troop	16500	10 Pn	59	
807	72120	Enl Barracks Troop	12246	16 Pn	59	
808	51010	Hospital	260245	380 Bd	57	
815	51020	Clinic	17328	81 Bd	58	
1000	61040	Civ Pers Bldg	4433		40	
1001	61050	Admin Gen Purp	10134		45	
1003	74066	Youth Center	19411			
1018	73017	Post Chapel	13500	60 Pn	56	
1024	74041	Library Main	17680		49	
1028	74014	Child Supp Ctr/r Ed	30188			

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
1084	43210	Cold Stor Whse	15755	7512 Cf	41	
1099	54010	Dental Clinic	13272		70	
1108	44270	Gen Storehouse	10000		55	
1116	21885	Mnt Sh Gen Purp	18660		56	
1132	21885	Mnt Sh Gen Purp	16896		41	
1147	74065	Morale Supp off	3517		42	
1148	21885	Mnt Sh Gen Purp	4000		42	
1150	61030	Exch Admin Bldg	3445		34	
1154	73031	Fixed Dry Clg Pl	2896		41	
1161	74071	Red Cross Bldg	3302		55	
1163	74062	Snack Bar	510		77	
1166	44220	Gen Purp Whse	2925		88	
1182	74028	Phys Fit Center	24786		47	
1194	74006	Bank	5050		67	
1195	74023	Credit Union	4254		69	
1199	74011	Bowling Center	20310		65	
1200	74047	Open Dining Nco	25369		65	
1414	17120	Gen Inst Bldg	80720		45	
1415	17120	Gen Inst Bldg	34842		45	
1416	17120	Gen Inst Bldg	24475		53	
1417	17120	Gen Inst Bldg	39216		45	
1419	17120	Gen Inst Bldg	29326		45	
1420	17120	Gen Inst Bldg	37418		53	
1425	61050	Admin Gen Purp	15480		60	
1434	17120	Gen Inst Bldg	31203		63	
1436	17130	Appl Inst Bldg	12320		70	
1439	61050	Admin Gen Purp	1500		58	
1442	61050	Admin Gen Purp	26400		66	
1444	61050	Admin Gen Purp	4960		67	
1445	61050	Admin Gen Purp	51640	19 Pn	69	
1462	74022	Skill Dev Cen	18206		73	
1464	61050	Admin Gen Purp	78138		58	
1465	61050	Admin Gen Purp	75558		56	
1466	61050	Admin Gen Purp	69838		56	
1467	55010	Clinic W/o Beds	3500		39	
1468	61050	Admin Gen Purp	3440		39	
1469	61050	Admin Gen Purp	3475		39	
1471	61050	Admin Gen Purp	2566		57	
1472	73078	Info Stand	984		79	
1496	44270	Gen Storehouse	4080		66	
1801	74006	Bank	2000	35 Se	70	
1804	73017	Post Chapel	3599		41	
1809	61050	Admin Gen Purp	26000	250 Pn	61	
1822	72210	Enl Pers Dine/admin	39195		68	

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
1824	73017	Post Chapel	3580	35 Se	41	
1906	21410	Veh Mnt Sh Org	5360		81	
1949	21410	Veh Mnt Sh Org	12360		63	
1950	21410	Ven Mnt Sh Org	4115		63	
1955	55010	Clinic W/o Beds	1920		80	
1982	72321	Det Latrine Bldg	267		79	
2102 a	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 B	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 C	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 D	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 E	72111	Enl Bk W/o Din	4830	16 Pn	75	
2102 F	72111	Enl Bk W/o Din	4830	24 Pn	75	
2105	72330	Adm & Sup Bldg	14290		75	
2115	55010	Clinic W/o Beds	4085		75	
2116	74028	Phys Fit Center	25920		75	
2118	14185	Co Hq Bldg	4944		75	
2119	73010	Fire Station	8400			
2302	74021	Commissary	117000		82	
2310	13180	Tel Exch Bldg	41652		86	
2393	17121	Indr Fire Rg	9234		71	
2462	61050	Def Log Agency	804867	500 Pn		
2470	17140	Army Res Center	48600		75	
2901	74030	Golf Club House				
2920	74030	Golf Club House	11735			
2990	44285	Salv & Sur Prop	15836		81	
3121	21111	Mnt Hangar Avim	21796		81	
3123	17180	Ng Armory	27000	100 Pn		
3126	21120	Ac Comp Mnt Shp	17699		60	
3128	14110	Af Ops Bldg	2590		84	
3136	14110	Af Ops Bldg	11760		66	
3137	14110	Af Ops Bldg	1103		55	
3138	82121	Hipr Bl + 3.5m Ol		22.3 Mb	55	
3141	21120	Ac Comp Mnt Shp	2600		55	
3145	21111	Mnt Hangar Avim	24502		70	
3146	17112	Flight Sim Bldg	8040		79	
3151	21111	Mnt Hangar Avim	35091		61	
3165	61050	Admin Gen Purp	15246		76	
3230	13310	Flt Con Tow Hd	2800		58	
3231	21111	Mnt Hangar Avim	20588		58	
3232	21111	Mnt Hangar Avim	14760		60	
3234	14110	Af Ops Bldg	2000		58	
3235	14112	Avn Ops Bldg	4500		58	
3237	14111	Af Fire Rsq Sta	5226		58	

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20 (LEVEL ONE)

Year Const: _____

Function CLUB

No of Occupants 8

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	14	
2 Utility Sinks BAR SINK	AERATOR	8.5	3	
3 Water Closets	FLUSH VALVE	17.0	11	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads	FLOW CONTROL	8.5	5	
6 Dishwashers DISHWASHER Sinks Ice Makers	GLASS WASHER LARGE ?		1 1	

Additional Notes

OPERATES 11:00AM. - 11:30PM.

POOL PUMP 1.5 HP.

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20 (LEVEL 2)

Year Const:

Function CLUB

No of Occupants 21

Operating Hours: 7:30 AM - 10:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	2.5	2	
2 Utility Sinks				
BAR SINK	NO AERATOR	16.1	1	
3 Water Closets	FLUSH VALVE	17.0	7	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads				
6 Dishwashers				
PRE RINSE Sinks	NO AERATOR		5	1 HW. 25
Ice Makers			2	

Additional Notes

NEED NEW WATER FILTER.

2 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20 (LEVEL 3)

Year Const:

Function OFFICERS CLUB

No of Occupants 8

Operating Hours: 11:30 AM - 8:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers			1	
PRG-RINSE Sinks	2 COMP NO AERATOR	16.1	4	
Ice Makers			1	

Additional Notes

2 MEALS DAY. 150 PEOPLE EACH MEAL.

11:30 AM - 8:00 PM - DISHWASHER IS IN OPERATION.

LEVEL 3

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20

Year Const: _____

Function OFC. TRANS QTR

No of Occupants 12 RMS.

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	8.5	13	
KIT. SINK	AERATOR	8.5	12	
2				
Utility Sinks				
3				
Water Closets	KOHLER P.T.	17.0	12	
	FLUSH VALVE SLOAN.	17.0	1	
4				
Urinals				
5				
Shower Heads	FLOW CONTROL	9.5	12	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 65⁸

Year Const: _____

Function: POOL

No of Occupants 342⁵

Operating Hours: 12 - 8pm. WK DAY. 10 - 8pm. WK EN

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL HANDLE NO AERATOR NO AERATOR DUAL CONTROL AERATOR	16.1 16.1 9.5	5 1 4	
2 Utility Sinks	DUAL CONTROL NO AERATOR	245.4	1	
3 Water Closets	FLUSH VALVE	17.0	11	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads	FLOW CONTROL FLUSH VALVE SHOWER FOR POOL	9.5 5.7	11 4	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

Δ SIMILAR TO BLDGS: 66, ~~67~~, 69, 71, 75

Δ POOL CAPACITY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 81

Year Const:

Function VISITING OFFICE QTRS.

No of Occupants 22 TLT RMS.
45 RMS.

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	46	
2 Utility Sinks	AERATOR	32.7	2	
3 Water Closets	TANK TYPE	17.0	22	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	22	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BLDG 80 IS IDENTICAL

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 182

Year Const:

Function: INDOOR POOL

No of Occupants: 1735

Operating Hours: 9:00 AM - 7:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads	FLOW CONTROL	9.5	8	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

⊗ POOL CAPACITY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 187

Year Const:

Function MAINT. SHOP

No of Occupants 6

Operating Hours: 7:30 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	2	
KIT. SINK	AERATOR.	9.5	1	
LAVATORY	AERATOR	9.5	2	
2				
Utility Sinks				
3				
Water Closets	AMERICAN STANDARD FLUSH VALVE	17.0	3	
4				
Urinals	STANDARD FLUSH VALVE	5.7	3	
5				
Shower Heads	FLOW CONTROL	9.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 189

Year Const:

Function DRIVE TESTING

No of Occupants 23

Operating Hours: 5:30 AM. - 8:00 PM.
MON - FRI

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	4	
KIT. SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17.0	3	
4				
Urinals	FLUSH VALVE	11.4	2	
5				
Shower Heads	FLOW CONTROL	9.5	3	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 190

Year Const: _____

Function GARAGE SPACE

No of Occupants 0

Operating Hours: 0

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL VALVE, NO AERATOR	11.4	3	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. FLUSH VALVE	17.0	2	
4 Urinals	STD FLUSH VALVE	5.2	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 191

Year Const: _____

Function FIRE STATION

No of Occupants 5

Operating Hours: 24 HRS.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AGRATOR	9.5	5	
2 Utility Sinks	NO AGRATOR	45.4	2	
3 Water Closets	FLUSH VALVE TANK TYPE	17.0 17.0	4 1	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	NO FLOW CONTROL FLOW CONTROL	13.2 9.5	2 1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

4 TRUCKS WASHED EACH WEEK 30 MIN. DURATION.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 200

Year Const:

Function REC. CENTER

No of Occupants 11

Operating Hours: 8:00AM - 10:00PM (M-THUR)
8:00AM - 11:00PM (FRI-SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	4	
	NO AERATOR	11.4	4	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	12.0	7	
4				
Urinals	FLUSH VALVE	5.7	4	
5				
Shower Heads				
6				
Dishwashers				
WAND Sinks	FLOW CONTROL	9.5	1	
	KIT. SINK DUAL CONT. AERATOR	11.4	3	
Ice Makers	MAN. TO W. OC SERIES 600		1	

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 201 (LOWER)

Year Const: _____

Function: ADMIN.

No of Occupants 41

Operating Hours: 6:00 AM. - 6:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCETS, NO AERATOR	16.1	3	
2 Utility Sinks				
3 Water Closets	TANK TOP	17.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 of 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 201 (MAIN)

Year Const: _____

Function: ADMIN.

No of Occupants 23

Operating Hours: 6:00 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	12.0	4	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 201 (UPPER)

Year Const: _____

Function: ADMIN.

No of Occupants: 49

Operating Hours: 6:00 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	170	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 of 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 202 (LOWER)

Year Const: _____

Function G & A

No of Occupants 18

Operating Hours: 6:00 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR DUAL CONTROL AERATOR	9.5 9.5	1 4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	120	4	
4 Urinals	FLUSH VALVE	5.2	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 202 (MAIN)

Year Const: _____

Function: GEA

No of Occupants 31

Operating Hours: 6:30am - 5:30pm

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

20F3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 202 (UPPER)

Year Const:

Function: C.E.A.

No of Occupants: 60

Operating Hours: 7:30am - 4:30pm

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	2.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 of 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 204 LOWER*

Year Const: _____

Function GEN. ADMIN.

No of Occupants 12 FIRST SHIFT.
3 SECOND

Operating Hours: 6:30 AM - 11:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	KITCHEN SINK AERATOR DUAL CONTROL AERATOR	9.5 9.5	1 1	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17.0	1	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 3

* BLDG 204 TYPICAL FOR 203(EMPTY), 205, 206, 207, 208, & 209

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 204 (MAIN)

Year Const:

Function GA / CLASS ROOMS

No of Occupants 8 STAFF 60 STUDENTS

Operating Hours: 8:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* BASED ON DAILY ATTENDANCE

2 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 204 (UPPER)

Year Const:

Function: GA/CLASS

No of Occupants: 68

Operating Hours: 8:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	8	
2 Utility Sinks	NO AERATOR	45.4	2	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads	FLOW CONTROL	9.5	3	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

8 BASED ON DAILY ATTENDANCE

30P3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 211⁴ LOWER

Year Const: _____

Function GEN. ADMIN.

No of Occupants 4

Operating Hours: 6:30 AM - 5:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	9	
2 Utility Sinks	DUAL COMP. NO AERATOR	48.4	5	
3 Water Closets	FLUSH VALVE	17.0	6	
4 Urinals	FLUSH VALVE	5.7	6	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* SIMILAR TO 210, ~~211~~ & 212

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 211 MAIN

Year Const: _____

Function _____

No of Occupants 17

Operating Hours: 6:30 - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	5.7	2	
	DUAL FAUCET. NO AERATOR	19.1	1	
	AERATOR	8.5	7	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	10	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	6	
	NO FLOW CONTROL	12.1	6	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 211 UPPER

Year Const: _____
Function: _____

No of Occupants 30

Operating Hours: 6:30AM - 3:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET, NO AERATOR	16.1	3	
	DUAL CONTROL, NO AERATOR	16.1	9	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17.0	9	
4				
Urinals	FLUSH VALVE	5.7	5	
5				
Shower Heads	FLOW CONTROL	11.4	8	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 214

Year Const:

Function GEN. INSTR. BLDG.

No of Occupants

60 STAFF / 96 STUDENTS

Operating Hours:

6:30am - 12:00am

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	1	
DARK ROOM	AERATOR	9.5	12	
LAVATORY	AERATOR	9.5	10	
2				
Utility Sinks	NO AERATOR	45.4	2	
3				
Water Closets	FLUSH VALVE	17.0	10	
4				
Urinals	FLUSH VALVE	5.7	8	
5				
Shower Heads	FLOW CONTROL	7.0	2	
6				
Dishwashers				
Sinks	TROUGH MANUAL NO AERATOR	11.4	1	
Ice Makers	(NEVER USED)			

Additional Notes

*APPROXIMATE ONE DAY.
SEWER LINE BACKUP.
SEVERAL PIPING LEAKS.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : 215

Year Const: _____

Function: WHOLE SALE

No of Occupants 12

Operating Hours: 7:00AM. - 5:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	3	
2 LAVATORY SINKS WHOSE HANDLES DO NOT WORK			2	
2 COMP. AERATOR		9.5	2	
DARK ROOM AERATOR		9.5	1	
2				
Utility Sinks	NO AERATOR	45.4	2	
3				
Water Closets	FLUSH VALVE	17.0	6	
4				
Urinals	FLUSH VALVE	11.4	4	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 216

Year Const:

Function FLAGLER HALL

No of Occupants 120

Operating Hours: 9:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>AERATOR</u>	<u>9.5</u>	<u>11</u>	
2 Utility Sinks				
3 Water Closets	<u>FLUSH VALVE</u>	<u>17.0</u>	<u>7</u>	
4 Urinals	<u>FLUSH VALVE</u>	<u>5.7</u>	<u>4</u>	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 (LOWER)

Year Const: _____

Function ADMIN

No of Occupants 8

Operating Hours: 7:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL HANDLE AERATOR DUAL FAUCET NO AERATOR	9.5 16.1	1 2	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 B

Year Const:

Function ADMIN.

No of Occupants

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	3	
	DUAL CONTROL AERATOR	9.5	2	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17.0	4	
	TANK TOP	17.0	1	
4				
Urinals	FLUSH VALVE	5.7	2	.50 LPM
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 (MAIN)

Year Const: _____
Function: _____

No of Occupants 50

Operating Hours: 7:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	7	
2 Utility Sinks				
3 Water Closets	TANK TYPE	1	9	
4 Urinals	FLUSH VALVE	11.4	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 (UPPER)

Year Const: _____

Function _____

No of Occupants 60

Operating Hours: 7:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks				
3 Water Closets	TANK TYPE FLUSH VALVE	17.0 12.0	3 1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 220

Year Const:

Function WHEELER HALL

No of Occupants 80 STAFF / 100 STUDENTS Operating Hours: 6:30 AM - 9:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	25	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	FLUSH VALVE	17.0	25	
4 Urinals	FLUSH VALVE	5.7	25	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

APPROXIMATE ATTENDANCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 221

Year Const:

Function VISUAL INFO.

No of Occupants 5 STAFF / 30 NON STAFF 50 Operating Hours: 7:45 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ON DAY AVERAGE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 222

Year Const:

Function VISUAL INFO

No of Occupants 3 STAFF / 50 NON STAFF Operating Hours: 7:45 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ON DAY AVERAGE

BLDG. 222 SIMILAR TO BLDG 223.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 226

Year Const:

Function GEN. INSTR. BLDG.

No of Occupants 50

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL ABRATOR	9.5	15	
2 Utility Sinks	*			
3 Water Closets	FLUSH VALVE	17.0	13	
4 Urinals	FLUSH VALVE	5.7	13	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* JAN. CLOSET INACCESSIBLE.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 235

Year Const:

Function HEAD QUARTER BLDG

No of Occupants 9

Operating Hours: 8:30-4:30PM (MON, WED, FRI)
7:30-4:30PM (TUES, THUR)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 238

Year Const:

Function PET STORE

No of Occupants 14

Operating Hours: 9:00 AM - 7:00 PM (M-F)
12:00 - 4:00 PM (SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET NO AERATOR DUAL FAUCET CONTROL NOAER	16.1 9.5	2 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	6	
4 Urinals	FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers			1	

Additional Notes

~~100%~~

WASH 12 DOGS/DAY IN REGULAR BATH TUB.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 246 Year Const: _____
 Function: TELEPHONE EXCHANGE
 No of Occupants: 16 Operating Hours: 7:00 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 247 Year Const: _____
 Function HUMPHREYS HALL
 No of Occupants 130 STAFF / 300 STUDENTS * Operating Hours: 7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	35	
2 Utility Sinks	NO AERATOR	45.4	9	
3 Water Closets	FLUSH VALVE	17.0	30	
4 Urinals	FLUSH VALVE	5.7	16	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* APPROXIMATE ATTENDANCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 256

Year Const:

Function POST OFFICE

No of Occupants 17

Operating Hours: 9:00 AM - 5:00 PM (MON-FRI)
9:00 AM - 1:00 PM (SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	15.2	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	5' TROUGH, MANUAL	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	2' TROUGH, MANUAL NO AERATOR (NEVER USE)	11.4	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 257 Year Const: _____
 Function: ADMIN.
 No of Occupants: 40 Operating Hours: 7:30 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	11.5	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : 258

Year Const: _____

Function ADMIN.

No of Occupants 17

Operating Hours: 7:00 AM. - 3:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	TANK TYPE TANK TYPE	17.0 17.0	1 3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 259

Year Const:

Function BATH HOUSE W/ WATER T.M.N.

No of Occupants 0

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	15.2	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	12	
4 Urinals	FLUSH VALVE	2.0	7	
5 Shower Heads	FLOW CONTROL 20 SEC. TIMER	15.0	7	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO. : 268

Year Const:

Function WILLIAMS HALL

No of Occupants 31

Operating Hours: 8:00AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	6	
2 Utility Sinks				
3 Water Closets	STANDARD FLUSH VALVE	17.0	2	
4 Urinals	AMERICAN STD. FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 270

Year Const:

Function: THAYER HALL

No of Occupants 9

Operating Hours: 8:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK. AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO. : 303

Year Const: _____

Function ADMIN.

No of Occupants 15

Operating Hours: 6:00 AM. - 6:00 PM
7 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	(1) .9 LPM
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 305

Year Const:

Function ADMIN.

No of Occupants 302

Operating Hours: 7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET	19	18	
LAVATORY SINK	DUAL CONTROL	9.5	4	
2				
Utility Sinks	NO AERATOR	45.4	4	
3				
Water Closets	FLUSH VALVE	17.0	20	
4				
Urinals	FLUSH VALVE	5.7	13	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 307

Year Const:

Function LAB

No of Occupants 45

Operating Hours: 8:30 AM - 5 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	<u>DUAL CONTROL</u>	<u>9.5</u>	<u>6</u>	
<u>LAB SINK</u>	<u>WITH AERATOR</u>		<u>4</u>	
2				
Utility Sinks		<u>9.5</u>	<u>2</u>	
<u>KITCHEN SINK</u>				
3				
Water Closets	<u>FLUSH VALVE</u>	<u>17.0</u>	<u>6</u>	
4				
Urinals		<u>5.7</u>	<u>2</u>	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

11.4 LPM (COLD WATER) FUME HOOD

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 309

Year Const: _____

Function _____

No of Occupants 64

Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 316

Year Const:

Function ADMIN

No of Occupants 65

Operating Hours: 6:00 AM - 6:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL COUNT	9.5	15	
KIT. SINK	SINGLE COUNT	9.5	3	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17.0	15	
4				
Urinals	FLUSH VALVE	5.7	4	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SIMILAR FOR BUILDINGS:

314, 315, 312

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 317

Year Const:

Function LAB

No of Occupants 15

Operating Hours: 6:30AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL	9.5	3	
	SINGLE CONTROL	9.5	1	
2				
Utility Sinks		45.4	1	
3				
Water Closets	FLUSH VALVE	17.0	4	
4				
Urinals		5.7	2	
5				
Shower Heads	NO FLOW CONTROL	6	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

APPROX. 75 GPM 56.9 LPM 8 HOUR/DAY (LASER COOLING)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 318

Year Const: _____

Function ENVIRONMENTAL CONTROL

No of Occupants 40

Operating Hours: 7:30 AM. - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET. NO AERATOR	45.4	9	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	6	
4 Urinals	FLUSH VALVE	16.1	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 319

Year Const: _____

Function _____

No of Occupants 7

Operating Hours: 6:30 AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 320

Year Const:

Function: TRAINING OFFICE

No of Occupants 92

Operating Hours: 7:00 AM. - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET. NO AERATOR	16.1	6	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12.0	5	
4 Urinals	FLUSH VALVE	16.1	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

20-60 PEOPLE IN CLASSES PER DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 322

Year Const: _____

Function PA 5 ED TEST POLICY DIV.

No of Occupants 15

Operating Hours: 8AM-5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	2	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	17.0	2	
4 Urinals		5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ENVIR. TEST CHAMBER: SINGLE PASS COOLING GOES TO WASTE, 2" CONN. APPROX. 113 LPM
VACUUM PUMP: SINGLE PASS COOLING GOES TO DRAIN 1 1/4" CONN. APPROX 57 LPM

ENGINE HEADS COOLED WITH COOLING TOWER
FIRE LINE AND MAKE-UP WATER HAVE BACK FLOW PREVENTION
DOMESTIC WATER HAS NO BACKFLOW PREVENTION

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 323

Year Const:

Function POWER GEN. DIV

No of Occupants //

Operating Hours: 8 AM - 5 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>DUAL CONTROL</u>	<u>9.5</u>	<u>4</u>	
2 Utility Sinks	<u>10' LAUNDRY TUB</u>	<u>45.4</u>	<u>1</u>	
3 Water Closets		<u>17.0</u>	<u>4</u>	
4 Urinals		<u>5.7</u>	<u>2</u>	
5 Shower Heads	<u>FLOW CONTROL</u>	<u>9.5</u>	<u>3</u>	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 324

Year Const: _____

Function TEST & EVALUATION DIV.

No of Occupants 15

Operating Hours: 8AM-5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	17	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	NO FLOW CONTROL	13.3	3	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 325

Year Const:

Function WATER TECH. R&D TEAM

No of Occupants 15

Operating Hours: 8AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET	22.7	4	
2 Utility Sinks				
3 Water Closets	TANK FLUSH VALVE	19.0 17	1 2	
4 Urinals		11.9	2	
5 Shower Heads	NO FLOW CONTROL	15.2	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO. : 326

Year Const:

Function: WORK SHOP

No of Occupants 16

Operating Hours: 7:30 AM - 4 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	5	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH	17	4	
4 Urinals		5.7	2	
5 Shower Heads		9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 328

Year Const:

Function VEH. MAINT.

No of Occupants 4

Operating Hours: 6:30 AM. - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	30.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	NO FLOW CONTROL	22.7	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 329

Year Const:

Function ELECT. CALIB SHOP/FIT. CTR.

No of Occupants 3

Operating Hours: 7:00 AM. - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	2	
	DUAL FAUCET WITH AERATOR	9.5	3	(1) .9 LPM
	DUAL FAUCET	19	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.2	2	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

HALF OF BUILDING UNDER RENOVATION.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 330

Year Const:

Function FE. WOOD SHOP

No of Occupants 7

Operating Hours: 6:00 AM - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET	19	5	
KIT. SINK	DUAL CONTROL AERATOR	9.5	1	
2				
Utility Sinks	NO AERATOR	19	1	
3				
Water Closets	FLUSH VALVE	17	3	
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads	NO FLOW CONTROL	19	1	
6				
Dishwashers				
Sinks				
Ice Makers			2	

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 331

Year Const:

Function ADMIN / FAB. SHOP

No of Occupants ADMIN-9 / FAB. SHOP-11 Operating Hours: 7:00AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL, NO AERATOR	16.1	1	
	DUAL FAUCET	19	2	
	HAND WASH TROUGH			
	DUAL CONTROL	22.7	4	3 FAUCETS W/.25
2				
Utility Sinks	NO AERATOR	30.4	1	
3				
Water Closets	FLUSH VALVE	17	8	
4				
Urinals	FLUSH VALVE	5.2	9	
5				
Shower Heads	FLOW CONTROL	9.5	4	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ALL USE FACILITIES

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 333

Year Const: _____

Function MECH. EQUIP. DIV.

No of Occupants 20

Operating Hours: 7:30 AM. - 4:15 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR.	9.5	7	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	16.1	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO. : 334

Year Const:

Function ADMIN.

No of Occupants 25

Operating Hours: 8:30AM - 5:PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET	17	3	
	DUAL CONTROL	9.5	4	
2				
Utility Sinks		45.4	1	
3				
Water Closets	FLUSH VALVE	17	8	
4				
Urinals		5.7	4	
5				
Shower Heads	FLOW CONTROL	9.5	2	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 337

Year Const:

Function: ADMIN.

No of Occupants 18

Operating Hours: 8:00 AM. - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 353

Year Const: _____

Function ELECTRONICS LAB

No of Occupants NO ONE PRESENT

Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks	<u>LAUNDRY TUB</u>	<u>45.4</u>	<u>1</u>	
3 Water Closets		<u>17</u>	<u>1</u>	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 357

Year Const:

Function I.R. TECH BRANCH & ARL

No of Occupants 70

Operating Hours: 8AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>DUAL CONTROL</u>	<u>9.5</u>	<u>10</u>	
2 Utility Sinks				
3 Water Closets	<u>FLUSH VALVE</u>	<u>17</u>	<u>8</u>	
4 Urinals		<u>11.4</u>	<u>6</u>	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

5.7 LPM LASER COOLING 4 HOUR/DAY TYPICAL FOR 6-8 LABS

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 364

Year Const: _____

Function: ADMIN

No of Occupants: 4/27

Operating Hours: 02:23 - 12:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 362

Year Const:

Function FUELS & LUBRICANTS DIV

No of Occupants 15

Operating Hours: 8 AM - 5 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET NO AERATOR	17	2	
	DUAL CONTROL NO AERATOR	17	23	
LAB SINK	WITH AERATOR - (NO VACUUM BKR.)	9.5	7	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	5	
4				
Urinals		5.7	2	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

11.4 LPM COLD WATER NOZZLES ON FUME HOOD (~~FL~~ ^{THREE} HOODS)
~~11.4~~

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO. : 363

Year Const:

Function ADMIN. / LAB

No of Occupants 46

Operating Hours: 8 AM - 5 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET	17	9	
	DUAL CONTROL LAB SINK	19	31	
	ASPERATOR @ LAB HOOD	3.8	10	
2				
Utility Sinks		45.4	5	
3				
Water Closets	FLUSH VALVE	17	8	
4				
Urinals		5.7	4	
5				
Shower Heads	FLOW CONTROL	9.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes EYEWASH HAS SMALL LEAK - INSIGNIFICANT AMOUNT
 FIRE MAIN HAS SMALL LEAK - INSIGNIFICANT AMOUNT
 11.4 LPM EQUIP. COOLING 1 HOUR/DAY
 30.3 LPM EQUIP. COOLING 3 HOUR/DAY
 56.9 LPM EQUIP. COOLING 1 HOUR/DAY } 12 MO./YR.
 7.6 LPM EQUIP. COOLING 24 HOUR/DAY
 2.8 LPM " " 24 HOUR/DAY 6 MO./YR.

SYSTEMS CORP

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 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 365

Year Const:

Function ADMIN.

No of Occupants 13

Operating Hours: 7:30 AM - 4:15 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	4	
2 Utility Sinks	NO AERATOR	30.4	1	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO. : 367

Year Const: _____

Function LAB

No of Occupants _____

Operating Hours: 5:AM- 7PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL	9.5	14	
	KITCHEN TYPE DUAL CONTROL	9.5	2	
	" " " " NO AERATOR	19	1	
2				
Utility Sinks		40.3	4	
		45.4	1	
3				
Water Closets	FLUSH VALVE	17	12	
	TANK	17	1	
4				
Urinals		5.7	4	
5				
Shower Heads	FLOW CONTROL	9.5	2	
6				
Dishwashers				
Sinks				
Ice Makers			1	

Additional Notes

UNDER RENOVATIONS

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO. : 371

Year Const: _____

Function ADMIN.

No of Occupants 25

Operating Hours: 7:30 AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL	9.5	4	
KIT. SINK	NO AERATOR	16.1	1	
2				
Utility Sinks	NO AERATOR	30.4	1	SMALL LEAK
3				
Water Closets	FLUSH VALVE	17	4	
4				
Urinals	FLUSH VALVE	5.7	3	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 374

Year Const:

Function ADMIN.

No of Occupants 9

Operating Hours: 7:30 AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL WITH AERATOR	16.1	2	
KIT. SINK.	DUAL CONTROL	9.5	1	
2				
Utility Sinks				
3				
Water Closets	TANK TOP	17	2	
4				
Urinals	FLUSH VALVE	5.7	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO. : 380

Year Const: _____

Function ADMIN.

No of Occupants 20

Operating Hours: 8:00 AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 392

Year Const:

Function TACOM/CAMO

No of Occupants 28

Operating Hours: 8:00 AM. - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL WITH AERATOR	9.5	6	
2 Utility Sinks	NO AERATOR	16.1	2	
3 Water Closets	FLUSH VALVE	12	4	
4 Urinals	FLUSH VALVE	5.2	3	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

1 of 3 1ST FLOOR

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-29-95	
FACILITY NO.: 399		Year Const: _____		
No of Occupants 40		Function ADMIN.		
		Operating Hours: 8 AM - 5 PM		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	6	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	.17	5	
4 Urinals		5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

2 of 3 2ND FLOOR

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-29-95	
FACILITY NO. : 399		Year Const: _____		
No of Occupants 45		Function ADMIN.		
		Operating Hours: 8AM - 5PM		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	3	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals		5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

3 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 399

Year Const: _____

Function: ADMIN

No of Occupants: APPROX. 45

Operating Hours: 8am - 5 pm

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DAUL CONTROL	9.5	3	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals		5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: T-435

Year Const:

Function FAIR FAX CHAPEL

No of Occupants SUNDAY WORSHIP

Operating Hours: SUNDAY HOLIDAY.
8:00 AM - 12:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
2 Utility Sinks				
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 470

Year Const: _____

Function: TRANSIENT BILLITING

No of Occupants 150/207 UNITS

Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1 ^a	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1 ^a	
4 Urinals				
5 Shower Heads	FLOW CONTROL	11.4	1 ^a	
6 Dishwashers				
Sinks	KITCHEN SINK AERATOR	9.5	14	
Ice Makers				

Additional Notes

BLDGs 507-508 & 509 - SHARED BATHS - SUITES INCLD.

BLDGs 505 & 506 SHARED BATHS

^a 1 UNIT TYP. FOR 207 UNIT.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 505

Year Const:

Function TRANSIENT QRTS.

No of Occupants 13 SUITS, 32 INDV. ROOM. Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	58	
2 Utility Sinks	NO AERATOR	45.4	4	
3 Water Closets	KOHLER FLUSH VALVE	17	45	
	STANDARD FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	5.7	45	
6 Dishwashers				
Sinks	KITCHEN, AERATOR	9.5	1	
Ice Makers				

Additional Notes

10 CLEANING STAFF

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : 506

Year Const: _____

Function TRANSIENT QRTS.

No of Occupants 29 SUITES / 10 CLEAN STAFF Operating Hours: 24 HOURS.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	58	
2 Utility Sinks	NO AERATOR	45.4	4	
3 Water Closets	KOHLER FLUSH VALVE	17	29	
	STANDARD FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	5.7	29	
6 Dishwashers				
Sinks	KITCHEN, AERATOR	9.5	29	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : 507

Year Const: _____

Function: VOG

No of Occupants: 37 UNITS
CLEANING STAFF

Operating Hours: 24 HOUR RESIDENCE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	8.5	37	
2 Utility Sinks	NO AERATOR	43.4	1	
3 Water Closets	AMERICAN STD. TANK TOP	17	37	
4 Urinals				
5 Shower Heads	FLOW CONTROL	16.1	37	
6 Dishwashers				
Sinks	KITCHEN, AERATOR	2.5	16	
Ice Makers				

Additional Notes

SIMILAR FOR BLDGS 508 & 509

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : G10

Year Const: _____

Function VET CLINIC

No of Occupants 17

Operating Hours: 7:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
SURG. SINK	AERATOR	9.5	8	
KIT. SINK	AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	KOHLER FLUSH VALVE	17	2	
4				
Urinals				
5				
Shower Heads	NO FLOW CONTROL	11.4	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

DOGS HOSED DOWN EVERY DAY 3 MIN. EACH DOG
ABOUT 8 DOGS ON AVG.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-23-95	
FACILITY NO.: 612		Year Const: _____		
No of Occupants 7		Function PRINT PLANT		
		Operating Hours: 7:30 AM. - 3:30 PM.		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	"STANDARD" FLUSH VALVE	17	5	
4 Urinals	"STANDARD" FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 630

Year Const:

Function ADMIN. GEN.

No of Occupants 17

Operating Hours: 6:30 AM - 7:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
LAV. SINK	NO AERATOR	20.9	1	
2				
Utility Sinks				
3				
Water Closets	"STANDARD" FLUSH VALVE	17	4	
4				
Urinals	AMERICAN STD. FLUSH VALVE	5.7	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 708

Year Const:

Function: WARE HOUSE

No of Occupants: 5

Operating Hours: 6:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BLDG 708 SIMILAR FOR BLDGS: 707 & 712

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : 711

Year Const:

Function WARE HOUSE

No of Occupants 5

Operating Hours: 6:30-4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 714

Year Const: _____

Function FLEET

No of Occupants 24

Operating Hours: 7:30 AM - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	1	
LAV. SINK	AERATOR	9.5	2	
2				
Utility Sinks				
3				
Water Closets	KOHL FLUSH VALVE	17	4	
4				
Urinals	STANDARD FLUSH VALVE	5.7	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 801 (~~THIRD FLOOR~~)

Year Const: _____

Function: BILLET

No of Occupants: 56

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET NO AERATOR	16.1	43	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	43	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	43	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

43 APPT.

30-3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 802

Year Const: _____

Function MEDICAL COMPANY

No of Occupants 15

Operating Hours: 7:00AM - 5:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DAUL FAUCET	16.1	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 806

Year Const:

Function APARTMENT.

No of Occupants 9 ROOMS / 7 PEOPLE

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	20	1	
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 807

Year Const:

Function APARTMENT

No of Occupants ~~948~~ 15

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	7.0	1	
6 Dishwashers				
Sinks	KIT. SINK. AERATOR	9.5	1	
Ice Makers				

Additional Notes

4 APART. SHARE 1 KITCHEN
(13 APARTMENT IN ALL)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 808 (Public Toilets)

Year Const:

Function HOSPITAL

No of Occupants 805 EMPLOYEES
30 PATIENT CAPACITY

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	16.1	19	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	18	
4 Urinals	FLUSH VALVE FLUSH VALVE	16.1 5.7	3 1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

30 PT. TLTS - 30 PATIENT CAPACITY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 808 KIT/CAFETERIA

Year Const:

Function: HOSPITAL

No of Occupants: 35

Operating Hours: 4:30 AM - 7:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks				
SINGLE COMP		22.7	3	
DBL COMP.		22.7	2	
2				
Utility Sinks				
POT SINK	FILL EACH 3-4 TIMES		1	
3 COMP.	20 GAL. SA. COMPT.		1	
3				
Water Closets				
4				
Urinals				
5				
Shower Heads				
6				
Dishwashers	RUNS: CONTIN. FROM 12:00 - 1:30 PM		1	
Sinks	CONTIN. FROM 6:00 - 6:30 PM			
Ice Makers	CONTIN. FROM 8:30 - 9:00 PM			

Additional Notes

COMPRESS VAC. PUMP STEAM FROM CENTRAL.

G-TOTAL LIQUID PINK-WASTED

(2) 350 TON TRANE CENT. VAC.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 808

Year Const: _____

Function OUT PATIENT CLINIC

No of Occupants 435

Operating Hours: 7:00AM - 6:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WAS NOT SURVEYED.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 815 (FIRST FLOOR)

Year Const:

Function

CLINIC

No of Occupants 24

Operating Hours:

7:45-4:30

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR EXAM TYPE	9.5	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	14.1	1	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 815 (SECOND FLOOR)

Year Const: _____

Function _____

No of Occupants 48

Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	5.7	9	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	9	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads	FLOW CONTROL	9.5	5	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 1000

Year Const:

Function ADMIN

No of Occupants 25

Operating Hours: 7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. TANK TYPE	1.7	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1001

Year Const:

Function

ADMIN.

No of Occupants 43

Operating Hours:

7:30 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 11.4	4 1	
2 Utility Sinks				
3 Water Closets	STANDARD TANK TYPE	17.0	8	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1003

Year Const:

Function YOUTH CENTER

No of Occupants 25 STAFF / 130 KIDS

Operating Hours: 6:00AM - 9:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	8	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	2	
Ice Makers				

Additional Notes

& AVERAGE DAILY ATTENDANCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1018

Year Const:

Function POST CHAPEL

No of Occupants 9

Operating Hours: 7:30AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	7.0	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	2	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-26-95	
FACILITY NO.: 1024		Year Const: _____		
No of Occupants 11 STAFF		Function LIBRARY		
		Operating Hours: MON-THUR-9am-9pm. FRI-9am-6pm.		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	4	
2				
Utility Sinks	NO AERATOR	13.5	1	
3				
Water Closets	FLUSH VALVES	13.5	4	
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				
Additional Notes				
5.7 LPM LEAK FROM TOILET PIPES OF HANDICAP RESTROOM.				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1028

Year Const:

Function CHILD DEVL. CEN. / RELIGIOUS

No of Occupants 66 STAFF / 250 NON STAFF^A Operating Hours: 6:00 AM - 6:00 PM - CHILD
8:00 AM - 4:00 PM - RELIGIOUS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	50	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	FLUSH VALVE	17.1	30	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	3	
Ice Makers				

Additional Notes

* BASED ON AVERAGE DAILY ATTENDANCE.

4 WASHERS IN CHILD DEVELOP

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-26-95	
FACILITY NO.: 1084		Year Const: _____		
No of Occupants 6		Function COLD STORAGE		
		Operating Hours: 6:20 AM. - 4:00 PM.		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	2	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	11.7	2	
4				
Urinals	FLUSH VALVE	11.4	2	
5				
Shower Heads	FLOW CONTROL	7.0	1	
6				
Dishwashers				
Sinks	KIT. SINK & NO AERATOR	11.4	1	
Ice Makers				
Additional Notes * SINK HAS STEADY LEAK OF 7.0 LPM AROUND PIPE HOOK-UP. HAS NOT SENT IN COMPLAINT.				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1099

Year Const:

Function CLINIC, DENTAL

No of Occupants 32

Operating Hours: 7:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	8.5	28	
	NO AERATOR	11.4	1	
2				
Utility Sinks	NO AERATOR	45.4	2	
3				
Water Closets	FLUSH VALVE	11.7	9	
4				
Urinals	FLUSH VALVE	5.7	6	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WATER HOOK-UP TO EACH CHAIR. (12 CHAIRS)

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1108

Year Const:

Function: WHOLESALE STORE

No of Occupants: 3

Operating Hours: 9:00 AM - 8:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR AERATOR	16.1 9.5	1 1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.2	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 1116

Year Const: _____

Function GEN. MAINT. SHOP

No of Occupants 13-15

Operating Hours: 6:30 A.M. - 4:00 P.M.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	TWO HANDLE, NO AERATOR	11.4	9	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	CRANE FLUSH VALVE	12	7	
4 Urinals	CRANE FLUSH VALVE	7	3	
5 Shower Heads	FLOW CONTROL	9.5	3 ⁴	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* TWO SHOWER HEADS MISSING

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1132

Year Const:

Function MAINT. SHOP

No of Occupants 4

Operating Hours: 6:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL, NO AERATOR	11.4	1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: S1147

Year Const:

Function SPORTS OFF.

No of Occupants 5

Operating Hours: 6:00 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET NO AERATOR	16.1	1	
2 Utility Sinks	NO AERATOR	43.4	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: <u>6-26-95</u>	
FACILITY NO.: <u>1148</u>		Year Const: _____		
No of Occupants <u>7</u>		Function <u>GEN. INSTR. BLDG</u>		
		Operating Hours: <u>6:45 AM. - 5:00 PM.</u>		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	<u>NO AERATOR</u>	<u>11.4</u>	<u>1</u>	<u>5.7 LPM</u>
2				
Utility Sinks	<u>NO AERATOR</u>	<u>45.4</u>	<u>1</u>	
3				
Water Closets	<u>FLUSH VALVE</u>	<u>17</u>	<u>1</u>	
4				
Urinals	<u>FLUSH VALVE</u>	<u>5.7</u>	<u>1</u>	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1150

Year Const:

Function ADMIN.

No of Occupants 2

Operating Hours: 8:30AM - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK. AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1154

Year Const:

Function MORAL SPOT ACT. CNTR.

No of Occupants 2

Operating Hours: 6:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1161

Year Const: _____

Function ADMIN.

No of Occupants 13 STAFF / 10 NON STAFF * Operating Hours: 8:00AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	16.1	2	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks	AERATOR	8.5	1	
Ice Makers				

Additional Notes

*BASED ON ACTUAL ATTENDANCE.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1163

Year Const:

Function SNACK BAR

No of Occupants

Operating Hours: SOCIAL EVENTS.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-26-95	
FACILITY NO.: 1166		Year Const: _____		
No of Occupants 4		Function LAB STORAGE		
		Operating Hours: 7:30 AM - 4:30 PM		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
2				
Utility Sinks				
3				
Water Closets				
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads	FLOW CONTROL	7.0	2	
6				
Dishwashers				
Sinks				
Ice Makers				
Additional Notes				
* BLDG SIMILAR FOR 1165, 1167, 1168.				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1182

Year Const: _____

Function: PHYS. FIT. CENTER

No of Occupants: 4 STAFF

Operating Hours: 6:00 AM - 6:00 PM
9:00 AM - 5:00 PM (SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads	FLOW CONTROL	8.5	15	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1194

Year Const: _____

Function BANK

No of Occupants 11

Operating Hours: 8:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1195

Year Const:

Function CREDIT UNION.

No of Occupants 13

Operating Hours: 8:00 AM - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	2	
-	SINGLE CONTROL NO AERATOR	9.5	2	
2				
Utility Sinks	NO AERATOR	43.4	1	
3				
Water Closets	TANK TYPE	17	3	
4				
Urinals	FLUSH VALVE	5.7	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1199

Year Const:

Function: BOWLING CTR.

No of Occupants: 22 STAFF / 70 NON STAFF

Operating Hours: 10:00 AM - 10:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	2.5	7	
	NO AERATOR	16.1	1	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	10	
4				
Urinals	FLUSH VALVE	5.7	3	
5				
Shower Heads				
6				
Dishwashers				
1 COMP. Sinks	NO AERATOR	30.4	1	
	2 COMP. DUAL FIXTURE	19.0	1	
Ice Makers			1	

Additional Notes

* BASED ON AVERAGE DAY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO. : 1200

Year Const:

Function KITCHEN

No of Occupants 10

Operating Hours: 9:00 AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	19	1	
KIT. SINK	NO AERATOR	22.7	3	
LAVATORY	AERATOR	9.5	1	
WAND	AERATOR	5.7	3	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets				
4				
Urinals				
5				
Shower Heads				
6				
Dishwashers			1	
Sinks				
Ice Makers			1	

Additional Notes

1 OF 2

2 MEALS A DAY

30 PLATES PER MEAL

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 1200

Year Const: _____

Function NCO

No of Occupants NCO CLUB

Operating Hours: 9:00AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR, DUAL CONTROL	16.1	8	
	DUAL CONTROL AERATOR	9.5	2	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17	8	
4				
Urinals	FLUSH VALVE	5.7	4	
5				
Shower Heads				
6				
Dishwashers				
Sinks	BAR NO AERATOR	16.1	2	
	GLASS WASHER	9.5	1	
Ice Makers				

Additional Notes

2 OF 2

(PUBLIC TOILETS)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1414

Year Const:

Function: WARE HOUSE

No of Occupants: 60

Operating Hours: 6:00AM - 6:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
WASH SINK	54" DIA. FOOT CONTROL IS CONTINUOUS NOT IN SECTION		1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-85

FACILITY NO.: 1415

Year Const: _____

Function: WARE HOUSE

No of Occupants: 1

Operating Hours: 6AM - 6PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL AERATOR	2.5	3	
WASH FOUNTAIN	54" DIA CONTINUOUS FLOW		3	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	1.7	2	
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads	NO SHOWER HEAD		1	
	FLOW CONTROL	2.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 1415

Year Const:

Function GEN. INSTR. BLDG.

No of Occupants 7

Operating Hours: 6:30 - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1416

Year Const: _____

Function ENG. BN.

No of Occupants 5

Operating Hours: 7:30AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL NO AERATOR	16.1	6	
	SINGLE FAUCET NO AERATOR	16.1	1	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	1.7	6	
4				
Urinals	FLUSH VALVE	5.7	6	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1417

Year Const:

Function ENGINE WORK

No of Occupants 15

Operating Hours: 8:00AM. - 5:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	SINGLE LEVER	9.5	1	
WASH SINK	W/C STATIONS	45.4	61	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	6	
4				
Urinals	3 URIN ON 1 FLUSH VALVE	5.7	3	
5				
Shower Heads	FLOW CONTROL	9.5	2	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1419/1420

Year Const: _____

Function: DYNA CORP

No of Occupants 117

Operating Hours: 7:15 - 5:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER DUAL FAUCET 5 HAND WASH STATIONS NO AERATOR 36" DIA WASH FOUNTAIN.	9.5 16.1 45.4	8 1 5 1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE FLUSH VALVE	17 17	8 6	
4 Urinals	FLUSH VALVE	5.7	12	
5 Shower Heads				
6 Dishwashers				
Sinks	KITCHEN SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1425 (FIRST FLOOR)

Year Const:

Function

DIR. OF CONSTRU.

No of Occupants 22

Operating Hours:

6 AM - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR SINGLE CONTROL AERATOR	9.5 9.5	1 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1425 (SECOND FLOOR) Year Const: _____

Function _____

No of Occupants 30

Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER AERATOR	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.2	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

20F2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1434

Year Const:

Function GEN. INST.

No of Occupants 4 STAFF / 150 NONSTAFF

Operating Hours: 7:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL NO AERATOR	16.1	2	1
	DUAL CONTROL AERATOR	8.5	7	.5
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	6	
4				
Urinals	FLUSH VALVE	5.7	5	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* ON WEEKEND

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1436

Year Const:

Function SUPPLY DIV.

No of Occupants 10

Operating Hours: 7:30AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12	4	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 1436

Year Const:

Function TNG BUILDING

No of Occupants 12

Operating Hours: 6:30 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
2 Utility Sinks	NO AERATOR	48.4	1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1439

Year Const: _____

Function ADMIN.

No of Occupants 2

Operating Hours: 6:30AM. - 3:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1442 (FIRST FLOOR)

Year Const:

Function DIR. OF PUBLIC WORKS

No of Occupants 60

Operating Hours: 7:30AM - 4:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

LOE 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1442 (SECOND FLOOR)

Year Const: _____

Function: DFW

No of Occupants: 60

Operating Hours: 7:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR DUAL CONTROL NO AERATOR	9.5 16.1	5 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1444

Year Const: _____

Function BALT. DIST. OF ENG.

No of Occupants 16

Operating Hours: 8:00AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATION	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1445 (FIRST FLOOR)
(THIRD FLR SIMILAR)

Year Const: _____

Function PROGRAM EXEC. OFF.

No of Occupants 100

Operating Hours: 7:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVEL AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

10F2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 1445 (SECOND FLOOR) Year Const: _____

Function _____

No of Occupants 100 Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVEL AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	11.7	10	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1462

Year Const: _____

Function ACTIVITY CENTER

No of Occupants 12

Operating Hours: 4

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR DUAL CONTROL AERATOR	16.1 9.5	4 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	FLUSH VALVE	3.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

4 MON. & TUES - 10:00AM - 6:00 PM.
WED - FRI - 10:00AM - 6:00 PM
SAT & SUN - 10:00AM - 6:00 PM.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1464 (FIRST FLOOR)

Year Const: _____

Function: HEAD QUARTERS

No of Occupants: 298 (ALL FLRS)

Operating Hours: 6:00AM - 6:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	12	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	13	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1464 (SECOND FLOOR)* Year Const: _____

Function _____

No of Occupants _____ Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* THIRD FLOOR IS TYP OF SECOND FLOOR.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1465

Year Const: _____

Function C.I.C.

No of Occupants 280

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	8.5	26	
2 Utility Sinks	NO AERATOR	45.4	6	
3 Water Closets	FLUSH VALVE	17	25	
4 Urinals	FLUSH VALVE	5.7	7	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1466

Year Const:

Function ENL. BKS.

No of Occupants *

Operating Hours: 7:00 AM - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVEL AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* FIRST FLR. - 40

SECOND FLR. - 50

THIRD FLR. - 30

* TYPICAL FOR EACH FLOOR!

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1467

Year Const: _____

Function: CLINIC

No of Occupants 11 STAFF / 25 PATIENT*

Operating Hours: 6:30 AM. - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	2	
2 Utility Sinks EXTRA SINK	AERATOR	9.5	2	
3 Water Closets	FLUSH VALVE	17.0	2	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks	KIT. SINK AERATOR ROSE SPRAY	5.7	1	
Ice Makers				

Additional Notes

* BASED ON AVG. DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1468

Year Const:

Function: INSP. GEN. OFF.

No of Occupants 5

Operating Hours: 7:30 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1469

Year Const: _____

Function: SAFETY OFFICE

No of Occupants: 6

Operating Hours: 6:00AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	2	
2 Utility Sinks	FAUCET NEEDS REPLACEMENT LEAKING.		1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 1471

Year Const: _____

Function HEARING CONSERV.

No of Occupants 4

Operating Hours: 7:30am - 4:30pm.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1472

Year Const:

Function

INFORMATION CENT.

No of Occupants 1 STAFF / 80 NON STAFF

Operating Hours:

8:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL AERATOR	9.5	2	
	SINGLE CONTROL AERATOR	8.5	4	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17	2	
4				
Urinals				
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

\$ DAILY AVG.

FEW PEOPLE USE REST ROOM. AS MANY AS 15-20.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-20

FACILITY NO.: 51496

Year Const:

Function GEN.

No of Occupants 13

Operating Hours: 8:00AM - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	LAU. 1
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1801⁸

Year Const: _____

Function: BANK

No of Occupants 4

Operating Hours: 9:00AM - 2:00 PM. (LOBBY)
9:00AM - 7:00 PM. (DRIVE-THRU)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	11.4	2	
2 Utility Sinks				
3 Water Closets	TANK TOP	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

* ~~BEING TO BE DEMOLISHED~~

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 1804

Year Const: _____

Function CHAPEL

No of Occupants SUNDAY WORSHIP

Operating Hours: 8:00 AM. - 12:00 PM.

SUNDAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SAME AS CHAPEL NUMBER 435

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-85

FACILITY NO.: 1809

Year Const: _____

Function ANNEX

No of Occupants 40

Operating Hours: 6:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	43.4	1	
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	2	
4 Urinals	AMERICAN STD. FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1822

Year Const:

Function: DINNING HALL

No of Occupants: 419

Operating Hours: 6:30 AM - 8:00 PM * M-F

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	5	
	NO AERATOR	11.4	5	
2				
Utility Sinks	NO AERATOR	45.4	2	
3				
Water Closets	FLUSH VALVE	17	4	
4				
Urinals	FLUSH VALVE	5.7	1	
5				
Shower Heads	FLOW CONTROL	7.0	2	
6				
Dishwashers	INSINGER 20 PSI 20 GAL TANK		2	
WAND	FLOW CONTROL	7.0	2	
Sinks	KIT. SINK, DUAL CONT. NO AERATORS	11.4	9	5.7 LPM
Ice Makers				

Additional Notes

* 7:30 AM - 5:00 PM, (WEEKEND)

* 400 PEOPLE SERVED A DAY.

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 1824

Year Const:

Function CHAPEL

No of Occupants

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SAME AS CHAPEL NUMBER 435

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 1906

Year Const: _____

Function VEHICLE MAINT.

No of Occupants 7

Operating Hours: 6:30 AM. - 4:30 PM. 5 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	2	
4 Urinals	STANDARD" FLUSH VALVE	5.6	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WASH 7 VEHICLES TWICE WEEKLY

WATER RUNS THROUGH-OUT PERIOD.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 1949

Year Const: _____

Function VEHICLE MAINT.

No of Occupants 8

Operating Hours: 7:00 AM. - 4:30 PM. 5 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR CIRCULAR WASH FOUNTAIN	9.5	1 1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1950

Year Const:

Function VEHICLE MAINT.

No of Occupants 25

Operating Hours: 9:00 AM. - 4:30 PM. 5 DAYS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	CIRCULAR WASH FOUNTAIN		1	
2 Utility Sinks	NO AERATOR	43.4	1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1955/1982 *

Year Const: _____

Function NAVAL RESERVE DRILL

No of Occupants 5 ACTIVE DUTY
200 RESERVE

Operating Hours: 7:30 AM. - 3:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	5	
MEDICAL SINK	NO AERATOR	11.4	1	
2				
Utility Sinks				
3				
Water Closets	AMERICAN STD.	17	4	
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads	FLOW CONTROL	9.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* RESERVES ONLY ON WEEKEND,
ACTIVE DUTY 7 DAYS WEEK

* COVERS BLDGS 1955-1959, 1963, 1966, 1968, & 1982
BLDG 1966 SCHEDULED FOR DEMOLITION YR 2000

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2102

Year Const:

Function ENL. BKS.

No of Occupants 80% OCCUPANCY

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL AERATOR	9.5	2	
KITCHENETTE	SINGLE CONTROL AERATOR	9.5	1	
2				
Utility Sinks				
DAY ROOM	NO AERATOR	30.4	2	
3				
Water Closets	FLUSH VALVE	17	3	
4				
Urinals	FLUSH VALVE	5.7	1	
5				
Shower Heads	FLOW CONTROL	9.5	1	
6				
Dishwashers				
WASHER Sinks			2	
Ice Makers				

Additional Notes
ON SHEET:

(1) DAY ROOM (TYP. FOR EACH BUILDING)

(1) BARRACKS (TOTAL 67 EA. BLDG.) - 1 KITCHENETTE, 1 D/C LAV, 1 WTR CLOSET,
1 SHOWER PER RM

BLDG. 2102 SIMILAR FOR 2103, 2104, 2109, 2110, 2111

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2105 ABC

Year Const: _____

Function ADMIN

No of Occupants 3/6/8

Operating Hours: 7:00 AM. - 5:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL, AERATOR.	9.5	6	
2 Utility Sinks	NO AERATOR	45.4	2	
FAUCET ONLY	DUAL CONTROL, NO AERATOR (HOSE BIBB)	45.4	2	
3 Water Closets	FLUSH VALVE	17	7	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BLDG 2105 SIMILAR FOR:

BLDG 5 - 2101 & 2113

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 2115

Year Const: _____

Function HEALTH CLINIC

No of Occupants 3 STAFF / 15-20 PATIENTS Operating Hours: 8:00AM - 4:30PM (M-F)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	8.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
PATIENT ROOMS Sinks	DUAL CONTROL NO AERATOR	19.0	3	
Ice Makers				

Additional Notes

* BASED ON DAILY AVG.

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2116

Year Const:

Function: FITNESS CENTER

No of Occupants: 3 STAFF

Operating Hours: 8:00 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	12	
2 Utility Sinks				
3 Water Closets	ZURN [®] FLUSH VALVE	17	12	
4 Urinals	ZURN FLUSH VALVE	5.7	6	
5 Shower Heads	FLOW CONTROL	7.6	28	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

→ ZURN WCILC

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 2118

Year Const: _____

Function ADMIN.

No of Occupants 25

Operating Hours: 6:30 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	1	
	DUAL CONTROL AERATOR	8.5	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 2119

Year Const:

Function FIRE STATION

No of Occupants 9

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	6	
2 Utility Sinks				
3 Water Closets	TANK TYPE FLUSH VALVE	17 17	1 4	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads	FLOW CONTROL	9.5	4	
6 Dishwashers				
Sinks	AERATOR	9.5	1	
Ice Makers				

Additional Notes

WASH TRUCKS 4 EVERY WEEK, 30 MIN. EACH TRUCK.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2302

Year Const:

Function COMMISSARY

No of Occupants 50

Operating Hours: 9:00 AM - 9:00 PM, 7 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR NO AERATOR	9.5 16.1	3 11	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	17	
4 Urinals	FLUSH VALVE	15.7	8	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2302

Year Const:

Function: COMMISARY

No of Occupants

Operating Hours: 9:00AM - 9:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET AERATOR	9.5	3	
	KNEE ACTIVATED	9.5	1	
2				
Utility Sinks	NO AERATOR	30.4	2	
3				
Water Closets				
4				
Urinals				
5				
Shower Heads				
6				
Dishwashers				
3 COMP. Sinks	2 FAUCET	19	4	
Ice Makers				

Additional Notes

2 of 2

FIXTURES FOR
MEAT/BAKERY/PRODUCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. : 2310 Year Const: _____
 Function: COMM. CENTRAL LINK
 No of Occupants 90 Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	2	
	AERATOR	8.5	1	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17	3	
4				
Urinals	FLUSH VALVE	5.7	1	
5				
Shower Heads	FLOW CONTROL	7.0	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2393

Year Const:

Function INDOOR PISTOL RANGE

No of Occupants 5 STAFF / 100 NON STAFF* Operating Hours: 9:00 AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	3.8 LPM.
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* ON AN AVERAGE DAY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

103

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 2462
WINGS A-J 1ST. FLR.Year Const:
Function D.L.A

No of Occupants

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	WITH AERATION	9.5	53	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	41	
4 Urinals	FLUSH VALVE	5.7	9	
5 Shower Heads	WITH Flow Control	11.4	19	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

2 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-28-95	
FACILITY NO. : <u>2462</u>		Year Const: _____		
<u>WINGS A-J ATRIUM</u>		Function <u>D.L.A.</u>		
No of Occupants _____		Operating Hours: _____		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	<u>w/ AERATOR</u>	<u>9.5</u>	<u>32</u>	
2				
Utility Sinks				
3				
Water Closets	<u>FLUSH VALVE</u>	<u>17</u>	<u>31</u>	
4				
Urinals	<u>FLUSH VALVE</u>	<u>5.7</u>	<u>7</u>	
5				
Shower Heads	<u>w/ Flow Cont.</u>			
6				
Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

3 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 2462
WINGS A-J 2ND FLR.Year Const: 1995
Function D.L.A.

No of Occupants

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	w/ AERATOR	9.5	41	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE TANK	17 13.3	37 4	
4 Urinals	FLUSH VALVE	5.7	9	
5 Shower Heads	w/ Flow Control	11.4	4	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3RD & 4TH FLOORS TYPICAL OF 2ND FLOOR

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2470

Year Const:

Function RESERVE CENTER

No of Occupants 50

Operating Hours: 7:30AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	8.5 16.1	2 4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	FLUSH VALVE	5.2	4	
5 Shower Heads	NO FLOW CONTROL	15.3	3	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2470

Year Const:

Function RESERVE CENTER

No of Occupants 35

Operating Hours: 7:30AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	14	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	9	
4 Urinals	STANDARD FLUSH VALVE	11.4	9	
5 Shower Heads	NO FLOW CONTROL	11.4	3	
6 Dishwashers	DO NOT USE	—	1	
Sinks	AERATOR	9.5	1	
	NO AERATOR	45.4	1	
Ice Makers				
CAN WASH	NO SPRAY NOZZLE	76	1	

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26

FACILITY NO.: 2901/2920

Year Const:

Function NORTH 36 CLUB HOUSE

No of Occupants 93

Operating Hours: 6:30 A.M. - 8:30 P.M.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	ELECTRIC SENSOR WITH AERATOR	5.7	8	
HAND LAY.	AERATOR	9.5	2	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE (ELECT. SENSOR)	17	8	
4				
Urinals	H.C. ELECT. SENSOR	11.4	1	
	H.C. SENSOR NOT WORKING	1.5	1	
5				
Shower Heads	FLOW CONTROL	9.5	6	
6				
Dishwashers	JACKSON 200 SERIES		1	
2 COMPT. Sinks	& AERATOR	9.5	1	
3 COMPT. Ice Makers	NO AERATOR	30.4	1	
BAR SINK	AERATOR	9.5	1	

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: ~~8158~~ 2990

Year Const:

Function DRMO

No of Occupants 50 BUYERS / 32 STAFF

Operating Hours: 7:30 AM - 3:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
	NO AERATOR	16.1	1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	2	
	TANK TOP	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ON AN AVERAGE BUSINESS DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. : 3121

Year Const: _____

Function ARMY NAT'L GUARD

No of Occupants 40-M-F / 20-SAT-SUN

Operating Hours: 6:30AM-4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	5	
4 Urinals	AMERICAN STD. FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL	11.4	2	
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3123

Year Const:

Function ARMY NATIONAL GUARD.

No of Occupants 20 + 175

Operating Hours: 7:00 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
	AERATOR	9.5	5	
	METERING FAUCET	5.7	2	
2 Utility Sinks	SMALL. NO AERATOR	45.4	1	
3 Water Closets	KOHLER FLUSH VALVE	17	2	
	REGAL SLOAN FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads	FLOW CONTROL	7.0	1	
	KOHLER SAFETY MIX.	9.5	2	
6 Dishwashers	DOES NOT WORK		1	
PRE-RINSE Sinks	NO AERATOR	15.4	3	
Ice Makers			1	

Additional Notes

KITCHEN HOURS 8:00 AM. - 3:00 PM. 2 MEALS A DAY. 30 PEOPLE PER. 3 OCCUPANTS
MESS FUNCTION WEEKENDS ONLY
SERVING 170-175 A DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3126

Year Const: _____

Function NIGHT VISIONS OPER.

No of Occupants 15-20

Operating Hours: 7:30AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	4	
4 Urinals	STANDARD FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL	5.7	1	
	NO FLOW CONTROL	22.7	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3128

Year Const:

Function NIGHT VISIONS OPS.

No of Occupants 15-20

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	3	
4 Urinals	STANDARD FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3130

Year Const:

Function HEAD QUARTERS

No of Occupants 21

Operating Hours: DESK - 24 HOUR / REG. 7AM-5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	8.5	2	
	NO AERATOR	18.0	2	
2 Utility Sinks	NO AERATOR	45.4	4	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	AMERICAN STD. FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3137

Year Const:

Function PX / Airfield SVCS

No of Occupants 4 STAFF + CUSTOMERS / 13 Operating Hours: 6:30 AM - 11:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	STANDARD FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks	DUAL CONTROL KIT SINK AER.	9.5	2	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 3138

Year Const: _____

Function UTILITY PLANT

No of Occupants 8

Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3140

Year Const:

Function

HANGER

No of Occupants 20

Operating Hours:

5:30 AM. - 6:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks	AERATOR	12	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads	FLOW CONTROL NO FLOW CONTROL	9.5 15.2	1 1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3145

Year Const: WALSH HGR

Function: FIXED WING MAINT.

No of Occupants 10-12

Operating Hours: 9:00 AM - 12:00 AM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	4.54	2	
3 Water Closets	FLUSH VALVE	17.	13	
4 Urinals	STANDARD FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks	WASH FOUNTAIN		2	
Ice Makers				

Additional Notes

AIRCRAFT WASHER USED 3-4 TIMES A WEEK.
30 MIN. AT HIGH PRESSURE OR 1" HOSE, 7 PLANES.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. : 3146

Year Const: _____

Function: FLIGHT SIMULATOR

No of Occupants 9

Operating Hours: 7:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	STANDARD FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3151

Year Const:

Function ROTAR WING MAINT.

No of Occupants 35

Operating Hours: 6:30AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	5	
3 Water Closets	ROYAL FLUSH VALVE	17	11	
4 Urinals	STANDARD FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL NO FLOW CONTROL	7 16.1	1 1	
6 Dishwashers				
Sinks	TROUGH		1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3165

Year Const:

Function: OSAC

No of Occupants: 50

Operating Hours: 6:30am - 4:30pm (M-F)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks	NO AERATOR (HOSE BIB)	45.4	1	
3 Water Closets	FLUSH VALVE	12	3	
4 Urinals	STANDARD FLUSH VALVE	11.4	1	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. : 3230

Year Const:

Function AIR TRAFFIC CONTROL

No of Occupants 10

Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	AMERICAN STD FLUSH VALVE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. : 3231

Year Const: _____

Function LEWIS STONE

No of Occupants 34

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
LAV. SINK	NO AERATOR	11.4	9	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	AMERICAN STD. FLUSH VALVE	17	4	
	CROWN ROYAL FLUSH VALVE	17	4	
	SLOAN FLUSH VALVE	17	1	
4				
Urinals	FLUSH VALVE	5.7	5	
5				
Shower Heads	FLOW CONTROL	9.5	2	
6				
Dishwashers				
Sinks	THROUGH, FOOT CONTROL		2	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. : 3232

Year Const: _____

Function MILLER HANGER

No of Occupants 30

Operating Hours: 7:30AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	16.1	5	
2 Utility Sinks				
3 Water Closets	STANDARD FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WASH CHOPPERS 2 PER WEEK WITH
52.3 LPM FAUCET. EACH CHOPPER IS WASHED
FOR 15 MIN.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. : 3234

Year Const: _____

Function ADMIN

No of Occupants 12

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	1	
4 Urinals	CRANE FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KITCHEN SINK, AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3235

Year Const:

Function HEAD QUARTERS

No of Occupants 25

Operating Hours: 6:30 AM - 6:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	3	
LAV. SINK	NO AERATOR	19.0	1	
2				
Utility Sinks	NO AERATOR	22.7	1	
3				
Water Closets	AMERICAN STD. FLUSH VALVE	17	4	
4				
Urinals	FLUSH VALVE	5.2	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 3237

Year Const:

Function A'FLO FIRE DEPARTMENT

No of Occupants 8

Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	8.5	2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	SLOAN FLUSH VALVE	12	2	
4 Urinals	CRANE FLUSH VALVE	6.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.